actgaggagt tacagtgaag tgttaaccag gggtccaggg agcgagttga aaagatggag 660
tgagtgtatt tgcagccagg gagctgcagg gtggatttga ggggccatac cctctgagca 720
cttaaaaaag gtatttgctc caggccaggc agcaggctgt ggacaccctt gccaccactg 780
gggactgcca ctgaggactc cccgagcacg ttgttccccg tcttctccaa ggtgttgagg 840
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gggcttccct gcacgggcta aggggagttg ggatatcacc ccaaagtgac cttgccagtg 1140
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agtgctcaga gggccaggag cccaggggat gggaaagtgt gtggttttag tacgttcaaa 1380
agggacaatc gcttgcagtt ggtagatcta gcgatctagt tgggagataa tggtgtttac 1440
cccatatgaa gtattcaata gttctacttg tgaatttgta tttattttga gttatacttg 1500
acacagaatt ccttttttaa aaaaatatgt gtgtattttg gaaaaaaaat tcatagatgt 1560
taaaatttct gcatggttac cagtttttct cacaacactg aatttggtag cttttcccga 1620
aaaaatcttc acagtaattt tttgtctgta tatatttgag ggccttttt taaaaaaaaa 1680
aaaaraaaag aaaaatataa tkgtttgatt tttgagattw aaacaaacma aaagagaggc 1740
attttcmaaa tttcagaact ttcn 1764

<210> 283
<211> 799
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (750)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (760)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (769)
<223> n equals a,t,g, or c

<400> 283
aattcggcac gagtcagagg ccgagtccgt cactggaagc cgagaggaga ggacagctgg 60
ttgtgggaga gttcccccgc ctcagactcc tggtttttc caggagacac actgagctga 120
gactcacttt tctcttcctg aatttgaacc accgtttcca tcgtctcgta gtccgacgcc 180
tggggcgatg gatccgttta cggagaaact gctggagcga acccgtgcca ggcgagagaa 240
tcttcagaga aaaatggctg agaggcccac agcagctcca aggtctatga ctcatgctaa 300
gcgagctaga cagccacttt cagaagcaag taaccagcag cccctctctg gtggtgaaga 360
gaaatcttgt acaaaaccat cgccatcaaa aaaacgctgt tctgacaaca ctgaagtaga 420
agtttctaac ttggaaaata aacaaccagt tgagtcgaca tctgcaaaat cttgttctcc 480
aagtcctgtg tctcctcagg tgcagccaca agcagcagat accatcagtg attctgttgc 540

tgtcccggca tcactgctgg gcatgaggag agggctgaac tcaagattgg aagcaactgc 600
agcctyctca gttaaaacac gtatgcaaaa acttgcagag caacggcgcc gttgggataa 660
tgatgatatg acagatgaca ttcctgaaag ctcactcttc tcaccaatgc catcagagga 720
aaaggytgct ttcccttccc agacctctgn ttttcaaaan gccttcggna acttccagtt 780
ggccaaaaaa ggggcccgt 799

<210> 284
<211> 1489
<212> DNA
<213> Homo sapiens

<400> 284
aggtagactg tggcaatrag gcagctaagt ggttcaccaa cttcttgaaa actgaagcgt 60
atagattggt tcaatttrag acaaacatga agggaagaac atcaagaaaa cttctcccca 120
ctcttgatca gaatttccag gtggcctacc cagactactg cccgctcctg atcatgacag 180
atgcctccct ggtagatttg aataccagga tggagaagaa aatgaaaatg gagaatttca 240
ggccaaatat tgtggtgacc ggctgtgatg cttttgagga ggatacctgg gatgaactcc 300
taattggtag tgtagaagtg aaaaaggtaa tggcatgccc caggtgtatt ttgacaacgg 360
tggacccaga cactggagtc atagacagga aacagccact ggacaccctg aagagctacc 420
gcctgtktga tccttctgag agggaattgt acaagttgtc tccacttttt gggatctatt 480
attcagtgga aaaaattgga agcctgagag ttggtgaccc tgtgtatcgg atggtgtagt 540
gatgagtgat ggatccacta gggtgatatg gcttcagcaa ccaggaggga ttgactgaga 600
tcttaacaac agcagcaacg atacatcagc aaatccttat tatccagcct tcaactatct 660
ttaccctgga aaacaatctc gatttttgac ttttcaaagt tgtgtatgct ccaggttaat 720
gcaaggaaag tattagaggg gggaatatga aagtatatat ataaatttta ggtactgaag 780
gctttaaaaa taattaagat catcaaaaat gctattttga atgttatcat ggctattaca 840
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tttactctag cattatggaa tctgggctgt acttgagtat ggaaattctc ttatagactt 1140
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aaataatttt ttcgtaacaa agaaacgaac aactttggta tgatcttaag caaaaatact 1380
cactgaaata gtatgtggat gaattcacct acttacaatt ttatggtttc tttgtaaata 1440
ataaatgtga atctcaattt tstaaaaaaa aaaaaaaaaa aaaagttct 1489

<210> 285
<211> 702
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (695)
<223> n equals a,t,g, or c

<400> 285
ggcagaggct cccaaaatgg tgggattaca ggtgtgtggg ccaccgtgcc tggctgattc 60
agcatttttt atcaggcagg accaggtggc acttccacct ccagcctctg gtcctaccaa 120

tggattcatg gagtagcctg gactgtttca tagttttcta aatgtacaaa ttcttatagg 180
ctagacttag attcattaac tcaaattcaa tgcttctatc agactcagtt ttttgtaact 240
aatagatttt tttttccact tttgttctac tccttcccta atagcttttt aaaaaaatct 300
ccccagtaga gaaacatttg gaaaagacag aaaactaaaa aggaagaaaa aagatcccta 360
ttagatacac ttcttaaata caatcacatt aacattttga gctatttcct tccagccttt 420
ttagggcaga ttttggttgg tttttacata gttgagattg tactgttcat acagttttat 480
acccttttc atttaacttt ataacttaaa tattgctcta tgttagtata agcttttcac 540
aaacattagt atagtctccc ttttataatt aatgtttgtg ggtatttctt ggcatgcatc 600
tttaattcct tatcctagcc tttgggcaca attccygtgc ttcaaaatga gagtgacggc 660
tgggcatggt gggctcccgc ctgtaaatcc cagtnacttg gg 702

<210> 286
<211> 1175
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1166)
<223> n equals a,t,g, or c

<400> 286
ctaaagggaa caaaagctgg agctccaccg cggtggcggc cgctctagaa ctagtggatc 60
ccccgggctg caggaatgtt actatttcta catgttgtcc atgatgtgac tttcgtaaac 120
cttcaaaatt atttgggcat agtgctctat gtttaataaa ggtttttata gatgttttat 180
tccatatgtc ttcacaagtc aggacccaca attacccgtg ttttgtttga acagcagtgt 240
cccatctggc ttcgacccaa caaagttcat taacctggga tgaatggggt tggcctgttg 300
gtgatttgga tgctgttctg tgatctaaaa caactcttat tgaattgtat ttactcccta 360
aacaacactt gacaggctgt tgcacagggc ttctatagat cagtgtgtta ggaatgggag 420
gcccccttcct gcctgccttc ccatattggt cccttgacat tgacaaaagc acagtgactg 480
tcagcagatt cctttacttt tgtttgtggg aggtaggaat tgttttaatg cattttaaac 540
agtgtttctg aaattggatg gctggctaat agacactgaa tcacccggag tgcttatctt 600
aaaattgcag atttagggag cctgccaatt taacagtctc atcaggtgat tcttttcaac 660
agtaatgttt gagaattact gggttaaatt gtgggaaagg gtccagattt taaaggtgct 720
ttaaggttgc cctctgccga tactgtttgt ctttctactg tttcatcccc taacttcccc 780
caaccctcaa attaaaacta gaactataga tccacatgaa cgcacgcctg agatttggcc 840
actcacctat gttttgggtg gattgcctag gaaagcaagt catatggcca ttgatagttc 900
tcatgtaatt agttttgctc accactagta cagatgaccc gtttacacgt ggcttccctc 960
ggaagccctc ctcaacagta gctggtgtga aagactaaat cagtagagtt ggaaaagctt 1020
tataaccggt gtgtcatatg cttgctattt aaagctgtgt gttggttttg tttttctgcc 1080
acattcacta gtttttttaat aaatattttc caaaaatgga aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aancccgggg gggggncccg ggccc 1175

<210> 287
<211> 2873
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (829)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2870)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2871)
<223> n equals a,t,g, or c

<400> 287
ggcgcggcgg cggtagcagc caggcttggc ccccggcgtg gagcagacgc ggacccctcc 60
ttcctggcgg cggcggcgcg ggctcagagc ccggcaacsg gcgggcgggc agaatgagtc 120
tgcaggtctt aaacgacaaa aatgtcagca atgaaaaaaa tacagaaaat tgcgacttcc 180
tgttttcgcc accagaagtt accggaagat cgtctgttct tcgtgtgtca cagaaagaaa 240
atgtgccacc caagaacctg gccaaagcta tgaaggtgac ttttcagaca cctctgcggg 300
atccacagac gcacaggatt ctaagtccta gcatggccag caaacttgag gctcctttca 360
ctcaggatga cacccttgga ctggaaaact cacacccggt ctggacacag aaagagaacc 420
aacagctcat caaggaagtg gatgccaaaa ctactcatgg aattctacag aaaccagtgg 480
aggctgacac cgacctcctg ggggatgcaa gcccagcctt tgggagtggc agctccagcg 540
agtctggccc aggtgccctg gctgacctgg actgctcaag ctcttcccag agcccaggaa 600
gttctgagaa ccaaatggtg tctccaggaa aagtgtctgg cagccctgag caagccgtgg 660
aggaaaacct tagttcctat tccttagaca gaagagtgac acccgcctct gagaccctag 720
aagacccttg caggacagag tcccagcaca aagcggagay tccgcacgga gccgaggaag 780
aatgcaaagc ggagactccg cacggagccg aggaggaatg ccggcacgnt ggggtctgtg 840
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acgacggtag gagcggagag gagaggaccc ccccatgcca gcttctcggg gctcttacca 1320
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tggttgcagt gaggcccagc ccccagaaag ccctgagacc aggctgggcc agccagcgct 1440
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cattcagcct cagcggagga cacgcctgtg gtgcagttgg cagccgagac cccaacagca 1560
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cccctcctga gggacagtcc tggtagacca gtgcccgtgg ccaccgagac cagcagcatg 1860
cacggtgcaa atgagactcc ctcaggacgt ccgcgggaag ccaagcttgt ggagttcgat 1920
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ctcttcaagc gttttgagaa acagaaagag gtgatcgagg gctaccgcaa gaacgargag 2340
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<210> 288
<211> 2104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1323)
<223> n equals a,t,g, or c

<400> 288
cggcgatctc agcaaatact tcttgagggc ctactctgcg ccangtgttg gggttagaaa 60
ggagctggtc gctgtcggct aagcaagatt ggagctactc gtcgtccacc tccagctcgc 120
gtaagggtgg ctgtgcgact gcggccattt gtggatggaa cagcgggagc aagtgatccc 180
ccctgtgtgc ggggcatgga cagctgctct ctagagattg ctaactggag gaaccaccag 240
gagactctca aataccagtt tgatgccttc tatggggaga rgagtactca gcaggacatc 300
tatgcaggtt cagtgcagcc catcctaagg cacttgctgg aagggcagaa tgccagtgtg 360
cttgcctatg gacccacagg agctgggaag acgcacacaa tgctgggcag cccagagcaa 420
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cacttcctgc cagccagtcg aaatcggact gtaggagcca cccggctcaa ccagcgctcc 720
tcccgcagtc atgctgtgct cctggtcaag gtggaccagc gggaacgttt ggccccattt 780
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acaggcaaca agggccttcg gctaaaagag agtggagcca tcaacacctc cctgtttgtc 900
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gctccacggc cccttcagcc aggtggagga cctggaacgc gtggagggca taacggggaa 1920
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aaaa 2104

<210> 289
<211> 1251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1231)
<223> n equals a,t,g, or c

<400> 289
ggcacgaggc cggcttgctt tcccctgcgg tcgtccagac tattgggckc tagcgagacg 60
aactattggt acggggctag agaggaaggc tttgggattg ccggggagca gcgagcgacc 120

gacttccgtt tccagttacc aaggcacgag gatccggtgt tccaacccag ggggaaaaat 180
gcggcctttg actgaagagg agacccgtgt catgtttgag aagatagcga aatacattgg 240
ggagaatctt caactgctgg tggaccggcc cgatggcacc tactgtttcc gtctgcacaa 300
cgaccgggtg tactatgtga gtgagaagat tatgaagctg gccgccaata tttccgggga 360
caagctggtg tcgctgggga cctgctttgg aaaattcact aaaacccaca agtttcggtt 420
gcacgtcaca gctctggatt accttgcacc ttatgccaag tataaagttt ggataaagcc 480
tggtgcagag cagtccttcc tgtatgggaa ccatgtgttg aaatctggtc tgggtcgaat 540
cactgaaaat acttctcagt accagggcgt ggtggtgtac tccatggcag acatcccttt 600
gggttttggg gtggcagcca aatctacaca agactgcaga aaagtagacc ccatggcgat 660
tgtggtattt catcaagcag acattgggga atatgtgcgg catgaagaga cgttgactta 720
aaacgaagcc attccaagga cagacggctg tatggaaagg ccgagctttg tttcctgtgt 780
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atgcaacata gacattgcca taacagaata ataaaccaca tgtggggttt taaaaatgaa 1140
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<210> 290
<211> 1591
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (768)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1568)
<223> n equals a,t,g, or c

<400> 290

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cggatggaaa aatcaatcaa accaccacaa agtggttatt tatgtgtcgt gagtgatgtc 120
ttgtttacat tatgttctag actggccccc tgaatctcca gacaaccaat atcacttaaa 180
taagtgatag tcttaatact agtttttaga ctagtcattg gagaacagat gattgatgtc 240
ttagggccgg agaaacgcag acggcgtacc acacaggaaa agatcgcaat tgttcagcag 300
agctttgaac cggggatgac ggtctccctc gttgcccggc aacatggtgt agcagccagc 360
cagttatttc tctggcgtaa gcaataccag gaaggaagtc ttactgctgt cgccgccgga 420
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cagccgttgt ctccgggtgt cgcgtgcgca gttgcacgtc attctcagac gaaccgatga 660
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ccatgttatc ggagagctgc caacgtatgg ttatcgtcgg gtatgggncg ctgcttcgca 780
gacaggcaga acttgatggt atgcctgcga tcaatgccaa acgtgtttac cggatcatgc 840
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caggcagagt ggccgtgaaa gaaagcaatc agcgatggtg ctctgacggg ttcgagttct 960
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cactgcactg ggcggtcact accggcggct tcaacagtga aacagtacag gacgtcatgc 1080
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ttgaaccgaa gaacacggcg gtgcggagtc cggagagtaa cggaatagca gagagcttcg 1260
tgaaaacgat aaagcgtgac tacatcagta tcatgcccaa accagacggg ttaacggcag 1320
caaagaacct tgcagaggcg ttcgagcatt ataacgawtg gcatccgcat agtgcgctgg 1380
gttatcgctc gccacgggaa tatctgcggc acgggcttgt aatgggttaa gtgataacag 1440
atgtctggaa atataggggc aaatccaagg gttgtgttat ccatactttc aggttggctg 1500
attcgcagca gaccattctt tccagattca tcttatgntc gatatttcac caaattaagn 1560
cntttctnaa gaggcggccc gtacccattc g 1591

<210> 291
<211> 2386
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<400> 291
ctctgcctgt atgcttgact tgacttgact tgcacttatt aaataacttt gtcccagaga 60
gaaagagaga gtgggcagac atcgaagcca aacagcagta tcccggaagc actcatgcaa 120
ctttggtggc ggccactcag ttttctctgc cagtgtckgg tgattttaca acgagatgct 180
gctctccata gggatgctca tgctgtcagc cacacaagtc tacaccatct tgactgtcca 240
gctctttgca ttcttaaacc tactgcctgt agaagcagac attttagcat ataactttga 300
aaatgcatct cagacatttg atgacctccc tgcaagattt ggttatagac ttccagctga 360
aggtttaaag ggtttttga ttaactcaaa accagagaat gcctgtgaac ccatagtgcc 420
tccaccagta aaagacaatt catctggnca ctttcatcgt gttaattaga agacttgatt 480
gtaattttga tataaaggtt ttaaatgcac agagagcagg atacaaggca gccatagttc 540
acaatgttga ttctgatgac ctcattagca tgggatccaa cgacattgag gtactaaaga 600
aaattgacat tccatctgtc tttattggtg aatcatcagc taattctctg aaagatgaat 660
tcacatatga aaaaggggge caccttatct tagttccaga atttagtctt cctttggaat 720

actacctaat tcccttcctt atcatagtgg gcatctgtct catcttgata gtcattttca 780
tgatcacaaa atttgtccag gatagacata gagctagaag aaacagactt cgtaaagatc 840
aacttaagaa acttcctgta cataaattca agaaaggaga tgagtatgat gtatgtgcca 900
tttgtttgga tgagtatgaa gatggagaca aactcagaat ccttccctgt tcccatgctt 960
atcaytgcaa gtgtgtagac ccttggctaa ctaaaaccaa aaaaacctgt ccagtgtgca 1020
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aaaatgaagt gacagaacat acccctttac tgagaccttt agcttctgtc agtgcccagt 1140
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gactttcaga agatgattgg tttatttccc tttaaaatga ttaggtatat actgtaattt 1380
gatttttgc tcccttcaaa gatttctgta gaaataactt atttttagt attctacagt 1440
ttaatcaaat tactgaaaca ggacttttga tctggtattt atctgccaag aatatacttc 1500
attcactaat aatagactgg tgctgtaact caagcatcaa ttcagctctt cttttggaat 1560
gaaagtatag ccaaaacata aaaaaaaaaa aatcctcagt atagcttgca attaagacct 1620
agatcacagt atttaagtgt tttgcgtttt atacatgagg tcagtgctac agccacctag 1680
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cctcctatca gcacaaagaa actcaaagct gttttttccc tttctgttcc aaagcagtct 1860
tatcctgaca ggagcggtct atactagtgc agatttcaac actttttttt aacgttttaa 1920
ttactatagt gttatgtaga gatttgattg agcagctaat gtttctgaac tttacttact 1980
aattttcagt gtccttaagg gttctgtagt gttatcaaag caaaaagaaa atgctgcata 2040
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cttatgctaa ttagccctgc taaactatgt acagaggaaa ctgttcaagt attggatttg 2160
aaagtaagtg acttatgttt aacagaacta atgatgtatt gaaacactgt attatgaaaa 2220
gctaaattat acatcattgt aactatgtag aaagtgtaga ctaatgtata atcaaaatgc 2280
taaggatttt tatatggcct tgtatgaggg gagtttgaat gttaataaac atgttttcca 2340
ctttaagatc cagtaaatgt ctgttctact gtagtattac ttaaaa 2386

<210> 292
<211> 983
<212> DNA
<213> Homo sapiens

<400> 292
aatcaacata aggaatatga caagacccca gtaggtaacc ctgagtgctc aggtccgagc 60
tgtggtctct tttacggctt catgaaagga ccgtgccctc acggagggga ccacggcttg 120
gcttgtgggg tcttaggtga tggctgcctt ctttcttcat caccacaccc agcttcttgc 180
tggcacttag gggaagagag cagcaaatga gagatttacc ttttatctcc cagcgagcga 240
gatgtttccc tgttcagaga ggaagtaaca tcacttatgc ttgactggtg tttcttttgt 300
tgttgtttgt ttttctttca attggaattc tgtatttaag atgttatgtc agctgacaca 360
tgggacactc ctgaagaggt gactggcccc ccaccctgtt tggcggtgag tttccgcacc 420
accggcctca gaagtgtccc tcttgcttcg tctcttgttc gcttgctttg taaatacttt 480
ggtcccaagc tgagacaatt gctgtgtaaa acgtgaagag tcaatcccaa agggtgttat 540
ttgtcagaag aacttgccgt gtgccttcac cgaagcagtc aagtctgcag ttggattttt 600
ctcactggtg aatgacaaga aacagggata attttgcact gcggagatat tacgggagtt 660
gtctatatga ttatatatag tacctgattc tttgaacata ttattgaact ccaaaatgaa 720
ttcgacctcc attcaggctt cctgaaatct ctgaagttgc tgaaatttgt atattatttt 780
ccttttccaa tgcaagatct gctggtgacg ggaaatgact gtctggtttt attatggttt 840
ataaattaat aaatgggcta tttaattctg tatawaaatt tacagcaagt acgtacactg 900
gaatgaatga ggcaatcacg ttacaccaaa tcagcagatc aaaagacaaa cacatatttc 960

tgagacttga aggtccagtc gac 983

<210> 293
<211> 2655
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2595)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2641)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2651)
<223> n equals a,t,g, or c

<400> 293
ctttatagac aggactacaa tcccaagcca aaaccttcaa atgaaattac acgagagtat 60
atacccaaaa ttggcatgac tacttataaa atagtgcctc ccaaatcctt ggaaatatcg 120
aaagactggc aatcagaaac catagagtat aaagatgatc aggacatgca tgctttaggg 180
aaaaagcaca ctcatgagaa tgtgaaagaa actgccatcc aaacagaaga ttctgctatt 240
tctgaaagcc cagaagagcc actgccaaac cttaaaccga agcctaacct gagaacagag 300
catcaagtgc ccagttctgt gagctcacct gatgatgcca tggttagtcc tctgaaacct 360
gctcccaaaa tgacaagaga cactggcaca gctccttttg caccaaattt ggaagaaata 420
aacaatattt tggaatcaaa atttaaatct cgggcttcaa atgcccaggc caaacccagc 480
tctttttttt tgcagatgca gaagagagta tcgggtcact atgtgacatc tgcagctgcc 540
aagagtgtcc atgctgcccc taatcctgct ccaaaagaac tgacaaataa agaggcagaa 600
agggatatgc tgccttctcc ggagcagact ctttctccct taagtaaaat gcctcactct 660
gttccacaac cccttgttga aaaaactgat gatgatgtca tcggtcaggc tcctgctgaa 720
gcctcccctc ctcccatagc tccaaaacct gtgacaattc ctgctagtca ggtatccaca 780
caaaatctga agactttgaa aacttttggt gccccacgac catactcaag ttctggtcct 840
tcaccgtttg ctcttgctgt agtgaaaagg tcacagtctt tcagtaaaga gcgcaccgag 900
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atgagacaaa gttctttaac attccaaagc tctgacccag aacagatgcg acagagtttg 1140
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aatacaatat ctgtgaatgg aaggtcaaga ctcagccatt ccatgtcccc tgatgcccag 1260
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tcatactaat ggaacatttt ggcaaatgta tattcagatg tacactaata tattatctat 1380

taaaatatta gaatttgtgt tgtggctttt aatgccagaa gaaaagttac cagaatttat 1440
aatttatagt aatttttga tctttttttt gccttaagag ttgaatatgc tgctttagaa 1500
ctttaaaaca aggtgtaaat gattttcatt ttttacaaat gaaaaataat tcctttgtat 1560
tgatttcact taccagcaca ttctctacaa tggtgactta gacaaaagta taagattcat 1620
agactttata tttgtatgac atacaactag gacaaacata gatatgacat ttgctgcctc 1680
agtgtagcaa ttggaaatat ttataagtta tatgaaagcc tgttttgggc tgaaagaatg 1740
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atctttagaa cttaaattct acaagaattt taaatatttt ctgtatataa ttatgacatt 1980
gtcacacaga aattacacat tttatgtgcc agaagcctta aacatctttc tgtgaaaatg 2040
ctgatatatt gtgacagtta tttcacattt gatatgtaga gaggaatagg ggttagttta 2100
tgtttatatt gaaaaacttt aaagactatt tggaagttcc agaaattctg gttttaattc 2160
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aaaaaaaaaa gggcggccgc tctagaggat ccctcgaggg gcccaagctt acgcgtgcat 2460
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gaaggaactt acttctgtgg tgtgacataa ttggacaaac tacctacaga gatttaaagc 2580
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ntgcttgaaa ntttg 2655

<210> 294
<211> 1738
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (854)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1679)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1693)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1717)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1729)

<223> n equals a,t,g, or c

<400> 294
ggtggagcaa agaaacctgc cctggaaatt tgaacatata ggcattgggc ttctgtctct 60
actgctgara gatgaccgag tgttgcctct tcgtgccata cggtttttttg ttgaraatct 120
caaccatgat gcaattgtag ttcgaaagat ggctatctca gctgttgctg gtatccttaa 180
acagctaaaa agaaccacaa aaagctgacc attaacccct gtgaaatcag tggatgccct 240
aaacccaccc aaattattgc tggtgatagg cctgataatc attggttgca ttatgacagc 300
aaaactatac caagaactaa aaaagaatgg gagtcaagtt gctttgtgga aaaaactcac 360
tggggatact acacctggcc aaagaatatg gttgtttatg ctggtgtgga agagcagcct 420
aagcttggca gaagcaggga ggatatgaca gaggcagaac agattatatt tgatcatttt 480
tctgatccta aatttgttga gcagttaatt acttttctat cattagaaga cagaaaagga 540
aaagataagt ttaatccacg acgtttttgy ctctttaagg gtatattcag gaattttgat 600
gatgccttcc tgccagttct gaagccccat ttagaacatt tggttgcaga ttcacatgaa 660
agcacccagc gatgtgttgc agaaattata gctggtttaa tcagaggttc taagcactgg 720
acatttgaaa aggtggagaa gctttgggag cttctgtgcc ctctgcttag aacagcactg 780
tccaatatta ccgtagaaac ttataatgac tggggagctt gtatagcaac atcctgtgaa 840
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gctttaccct catcaagtgc ctttggtact tcaggtgcta aaacaaacag caagaagcag 1500
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ctttatttcc taaacaatga agatgcagtt aaaggatatc aggtgggctg ggttataagt 1620
cttttgggag ggacgaacca actgggaggg ttccggagaa atgggctggc ctaacttanc 1680
cttaagccgg gtntggctaa acagtggtaa acttttncct taacccatng ggaccagt 1738

<210> 295
<211> 1020
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)

<223> n equals a,t,g, or c

<400> 295
ccggnccggc attcccgggt cgacccacgc ntccggngcg gtggccctgt atttcatcga 60
taagctggca ctgagagcag gaaatgagaa ggaggacggt gaggcggccg acaccgtggg 120
ctgctgttcc ctccgsgtgg agcacgtcca gctgcacccg gaggccgatg gctgccaaca 180
cgtggtggaa tttgacttcc tggggaagga ctgcatccgc tactacaaca gagtgccggt 240
ggagaagccg gtgtacaaga acttacagct ctttatggag aacaaggacc cccgggacga 300
cctcttcgac aggctgacca cgaccagcct gaacaagcac ctccaggagc tgatggacgg 360
gctgacggcc aaggtgttcc ggacctacaa cgcctccatc actctgcagg agcagctgcg 420
ggccctgacg cgcgccgagg acagcatagc agctaagatc ttatcctaca accgagccaa 480
ccgagtcgtg gccattctct gcaaccatca gcgagcaacc cccagtacgt tcgagaagtc 540
gatgcagaat ctccagacga agatccaggc aaagaaggag caggtggctg aggccagggc 600
agagctgagg agggcgaggg ctgagcacaa agcccaaggg gatggcaagt ccaggagtgt 660
cctggagaag aagaggyggc tcctggagaa gctgcaggag cagctggcgc agctgagtgt 720
gcaggccacg gacaaggagg agaacaagca ggtggccctg ggcacgtcca agctcaacta 780
cctggacccc aggatcagca ttgcctggtg caagcggttc agggtgccag tggagaagat 840
ctacagcaaa acacagcggg agaggttcgc ctgggctctc gccatggcag gagaagactt 900
tgaattctaa cgacgagccg tgttgaaact tcttttgtat gtgtgtgtgt ttttttcact 960
attaaagcag tactggggaa ttttgtacaa waaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020

<210> 296
<211> 684
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (660)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (675)
<223> n equals a,t,g, or c

<400> 296
tcgacccacg cgtccgaatt tttttctcag aatagcaata gcttatccaa agaaagctag 60
tgtacatctt ccaaagcttt taaaataaaa aagaggagga gttacacttg cagaatgtat 120
atcttctggg atgcttctcc ctactccact ggacactgtt tgaaagtttg tagtttataa 180
tattcttacc taggctgtgt tggtcagctt agaatatcta agtgatagga taaaactaaa 240
gctgagtggc aaactgccag tctatatact gcatttagtc tataggctgt tttgtttggc 300
ccacaaagca ttttattatt taagtttatg ccaacattta agaatcaaga atttcccaga 360
cattcagatt tctgacttca attgaaaatc tgacagtata aaccctatta tattcctgca 420
tggcataaaa tcttcagttg ctgaatggtg atatccactt ttagaaagag tactctaccc 480
tgttctgcat tcatacaacc taagccaacc cgcccttcac catcccactt ctctttcagg 540
ttatctgctt aggctggtag gcatttgtgt ttataaacct tgaactcaag ctgctagatg 600
gtcagttgca ttgtgaactg aactatctga atgatttttc attgtaaata tatagctatn 660
ggaccacttt aaatncccct ttct 684

<210> 297

<211> 1838
<212> DNA
<213> Homo sapiens

<400> 297
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ttctgagttt acctgttggg ctcctggctg cgcaggcaca gcagctacac agaagagatg 120
ggagaagagg ctaatgatga caagaagcca accactaaat ttgaactaga gcgagaaaca 180
gaacttcgct ttgaggtgga ggcatctcag tcagttcagt tggagttgtt gactggcatg 240
gcagagatct ttggcacaga gctgacccga aacaagaaat tcacctttga tgctggtgcc 300
aaggtggctg ttttcacttg gcatggctgt tctgtgcaac tgagcggccg cactgaggtg 360
gcttatgtct ccaaggacac tcctatgttg ctttacctca acactcacac agccttggaa 420
cagatgcgga ggcaagcgga aaaggaagaa gagcgaggtc cccgagtgat ggtagtgggc 480
cccactgatg tgggcaagtc tacagtgtgt cgccttctgc tcaactacgc agtgcgtttg 540
ggccgccgtc ccacttatgt ggagctggat gtgggccagg gttctgtgtc catccctggt 600
accatggggg ccctctacat cgagcggcct gcagatgtcg aagagggttt ctctatccag 660
gcccctctgg tgtatcattt tggttccacc actcctggca ctaacatcaa gctttataat 720
aagattacat ctcgtttagc agatgtgttc aaccaaaggt gtgaggtgaa ccgaaggcat 780
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gcaccaccta ctgagtgtta gcactgmcga gggtacagag gagaacctgt ccgagacaag 1260
tgtagctggc ttcattgtgg tgaccagtgt ggacctggag catcaggtgt ttactgttct 1320
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tggactagta gaaagttcat attctacctc taaaaacagg tagtggtaac ctgactcttc 1560
taatcttgaa ccaaaaggaa aaccatgaga ctgtaattgg tttcttagac cacctaagat 1620
gccactttga attctctaag accctggaga attgcatttc tttcactgtg ctactatgtg 1680
gtttttaaaa aatcaatgct ttatattcca tatgtggttc ttacccattt atctaggatg 1740
aaagtgtgaa ttagagggac tccttccaat aaagttcaaa cttaaaaaaa atcatttaa 1800
taaatatttt tgccatatca taaaaaaaaa aaaaaaaa 1838

<210> 298
<211> 1635
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1609)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1635)
<223> n equals a,t,g, or c

<400> 298
gcggaagtgc ttcgcggcgg aggcccgggc aactcttttg aatggaatcg ggctgattca 60
tcgccggttt gcagactgag ccgcgtcggg tgtgcgccgc tgctgctgtt gcctctgtct 120
tcgcgtcacc acagaggcaa gacaagggtc catatcgcgg catccggctc ccgcccgtct 180
tcaggagaga aagaaaaaat aaaatatact tggggaagtt gtacctgcca gaattagcaa 240
gagctttctt taagaagaca tttgtcaaac tcaacaaatt gaaggttaac accttaagag 300
ttgtagttac tgaccagaaa tatggacaga cttcttagac ttggaggagg tatgcctgga 360
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tcttccctgg cactgttaaa aatgttaaaa catggccgtg ctggagttcc aatggaagtt 480
atgggtttga tgcttggaga atttgttgat gattataccg tcagagtgat tgatgtgttt 540
gctatgccac agtcaggaac aggtgtcagt gtggaggcag ttgatccagt gttccaagct 600
aaaatgttgg atatgttgaa gcagacagga aggccggaga tggttgttgg ttggtatcac 660
agtcaccctg gctttggttg ttggctttct ggtgtggata tcaacactca gcagagcttt 720
gaagccttgt cggagagagc tgtggcagtg gttgtggatc ccattcagag tgtaaaagga 780
aaggttgtta ttgatgcctt cagattgatc aatgctaata tgatggtctt aggacatgaa 840
ccaagacaaa caacttcgaa tctgggtcac ttaaacaagc catctatcca ggcattaatt 900
catggactaa acagacatta ttactccatt actattaact atcggaaaaa tgaactggaa 960
cagaagatgt tgctaaattt gcataagaag agttggatgg aaggtttgac acttcaggac 1020
tacagtgaac attgtaaaca caatgaatca gtggtaaaag agatgttgga attagccaag 1080
aattacaata aggctgtaga agaagaagat aagatgacac ctgaacagct ggcaataaag 1140
aatgttggca agcaggaccc caaacgtcat ttggaggaac atgtggatgt acttatgacc 1200
tcaaatattg tccagtgttt agcagctatg ttggatactg tcgtatttaa ataaagcaac 1260
gaaaaacgct attaatgatg ccttcagtgt atattcctct gttgttccta atgctcaaaa 1320
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agattctaaa gttatacatg aatacatcaa agtggacaaa ttttgttaag atcccattta 1500
atatttgaaa aaatcagtag cacaaatata ttttgattgt cacttacaaa ataaaataca 1560
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aaaaaaaaaa aaaan 1635

<210> 299
<211> 868
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (790)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (857)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (860)
<223> n equals a,t,g, or c

<400> 299
gctgaggggt agcgatgcgg gctccgggga tgaggtcgcg gccggcgggt cccgcgctgt 60
tgctgctgct gctcttcctc ggagcggccg agtcggtgcg tcgggcccag cctccgcgcc 120
gctacacccc agactggccg agcctggatt ctcggccgct gccggcctgg ttcgacgaag 180
ccaagttcgg ggtgttcatc cactggggcg tgttctcggt gcccgcctgg ggcagcgagt 240
ggttctggtg gcactggcag ggcgaggggc ggccgcagta ccagcgcttc atgcgcgaca 300
actacccgcc cggcttcagc tacgccgact tcggaccgca gttcactgcg cgcttcttcc 360
acccggagag tgggccgacc tcttccaggc cgcgggcgcc aagtatgtag ttttgacgac 420
aaagcatcac gaaggcttca caaactggcc gagtcctgtg tcttggaact ggaactccaa 480
agacgtgggg cctcatcggg atttggttgg tgaattggga acagctctcc ggaagaggaa 540
catccgctat ggactatacc actcactctt agagtggttc catccactct atctacttga 600
taagaaaaat ggcttcaaaa cacagcattt tgtcagtgca aaaacaatgc cagagctgta 660
cgaccttgtt aacagctata aacctgatct gatctggtct gatggggagt gggaatgtcc 720
tgatacttac tggaactcca caaattttct ttcatggsty tacaatgaca gccctgkcaa 780
ggtctctgtn gggtcgttga gggcaaggac cctgttttat tcaacctggg aactcagtgt 840
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<210> 300
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<400> 300
ccacgacgtc cscggaacgc tsgttgacgg ggcctgagcc tctccgccgg cgcaggctct 60
gctcgcgcca gctcgctccc gcagccatgc ccaccaccat cgagcgggag ttcgaagagt 120
tggatactca gcgtcgctgg cagccgctgt acttggaaat tcgaaatgag tcccatgact 180
atcctcatag agtggccaag tttccagaaa acagaaatcg aaacagatac agagatgtaa 240
gcccatatga tcacagtcgt gttaaactgc aaaatgctga gaatgattat attaatgcca 300
gtttagttga catagaagag gcacaaagga gttacatctt aacacagggt ccacttccta 360
acacatgctg ccatttctgg cttatggttt ggcagcagaa gaccaaagca gttgtcatgc 420
tgaaccgcat tgtggagaaa gaatcgagtg gtgaaacaga acaatatctc actttcatta 480
tactacctgg ccagaatttg gagtcccttg aatcaaccag cttcanttct caatttcttg 540
gntaaag 547

<210> 301
<211> 865
<212> DNA
<213> Homo sapiens

<400> 301
ttagtagaga tggggtttca ccacattggc caggctggtc tcaaactcct gacctcaagt 60

gaatccacct accttggcct accgaggtgc tggaattaca ggtgtgagcc accgcgcctg 120
gcctaatact gctttattac aacgttatct gtgggtcgga atccttttat attggttaac 180
agatgaccct gactcagaat aatctttttc aatggctttt tgagggaagc ttgtgaagtt 240
ctggtgaatc ttctttttca cttcactttc agtgagctga aagtaaccaa actaaataca 300
tgtattgtgt aaagggacag gacaagacag ccttaaaaaa ttgaatatag ttggtgagac 360
aactcagaag tacaggtttg agcatccctt attcaaaatg cttgagaagt gttttgggtt 420
ctggaatatt tgcattaatg cttgccagtt gagcatccca ggtccggaaa tccacagtgc 480
tccaatgagc ctttcccctg agtgtcacat ctgtattggc actcaaaaag tttcatattt 540
tggagcattt cagatttcag atttgggatg cttcatctat attgacagct gcaagaacag 600
aaaggaagaa gagattattt ttgtgggaga acagtttctc ccatagtgtt tcctgtggaa 660
tgctagtgtc tcataaagtc ttcyaaaaaa aaraaaaaaa aatcaaatgt ttggaagcca 720
ttttgtgtta ctgtgtgact ttcttttact caaaaacagc accataaaat ttctgacaag 780
tactataggt aaagaaatcc ctttatactt aacctagtat tttctacctt tccccatcta 840
aaataaaatt tttataccac tttct 865

<210> 302
<211> 815
<212> DNA
<213> Homo sapiens

<400> 302
asaagcataa acataagcac aaacacaagc ataagcatga cagtaaagaa aaggacaagg 60
agcctttcac tttctccagc cctgccagtg gcagtctatt cgttctcctt ccctttcaga 120
ctgagaaggg gacaaaaaga cctttccttt catgtccaga agaatgtatg taactaaagc 180
tttgtcctct gtgaagaatt ataaaaggga ggggggaaag gattcgcctc tcctacagaa 240
attctgaatt catttaagtt ctaagcattt gatttatgtt atttatacag ttgggatcta 300
attaggaaaa tgtgttttgt agttctggat aaactatttc atccgctgtt tcctccccaa 360
aacacacaca cagagcaaac tccctttcat aaaagccctc atatccactg gcagtccccg 420
ttcgcatcat ggtctccatg tgtaccgcca aagtcaatta tgtttgaaag cctttggtgg 480
atgttatggg gcaaagttat gatttacaca gaagcaactg ccaaatctgt ggtgcaacca 540
ctatctccag tgaaatattg tataacacca tttggaacta ctgaaaagac agtggctttt 600
ctacagtact cttccttatt gcaccatttt tgtattaacg tagaaactaa gcatcagaat 660
ttatgaacaa agaatatgtt atttttccyt ttgcyctaaa atactgagga tttggggaag 720
caattcyttt ttaaaaaaat tttggaataa ctaycttttg rtacacattc gggsggttac 780
ggtgttgggg atttaggcag gactatccaa atccc 815

<210> 303
<211> 1919
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1907)
<223> n equals a,t,g, or c

<400> 303
actgacagta cggtcggaat tcccgggtcg atccacgcgt ccgcggacgt ggsacaaaaa 60
cagatgctag gaagcttggc ttcctcttct tgttgaccct tttttgaacc aacatctttt 120
ttattatatt cagagtatgt ttttaagtgt atcttaatat atacattttt taggacatct 180
taaatctaaa caaaaaataa aatgaacatc tcttgaaacc tgttaaaaca accagttaaa 240

gccacagatg gctttcaggg cagtagcagc agaggccagt ggactctgag gactcctgag 300
gggcggggcg tgtagccagc caggtgcatg ccgggaccat ggcccccata cttggctgct 360
tcctgtgaca gtgaaataca tccttcaagg tggcagctgt tagggctgaa tcttctggag 420
aaaaaggtgc catctcagga gaatagcttt tactctggta ggaatgcttc cgagacacca 480
caaggcagcc tgaacactca gttgcagggt cgggcttgcg gtgggtgacc cagagccacc 540
aaagtcacat ccacaactaa tgagggaaat ctgtaaagcc agttagatag aagaatttta 600
tttttctgtg ggttttgtgt tgtctttttt atgttaaaaa gaaatccagt ttgtgttttt 660
ctatagraaa agtaaaagat caggttatac tttaggttag gggttctatt tattcctgtt 720
agtaaataaa attaacaaat ttctttgttt aacaaaagat taatctttaa accactaaaa 780
tacatagact gattgattat tcaacacatt ggaattgatg tcggtcatag tttcctgaag 840
catttagtta caacctgaag gaataaaatg atttgtggaa atgcttaaaa tagacctaac 900
tgaatacagt ctcatcttgc cgcgcctggc ttacctatct gtggaaagct aggcttccca 960
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taagcgattt gaaacactat ttttatatta aagtaaatgg catggagtat agtgcaaatt 1080
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aacttgcagc ttggtattgc agagaagatt ttataagaat tttgctttag agaatgccac 1560
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gcttgacaga ctcaagagaa actacccagg tattacacaa gccaaaatgg gagcaaggcc 1740
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taaatgatgt tgagcagaat gttgtacttg aaaatgctat aagtgagatg gtatgaaata 1860
aattctgact tatgaaaaaa aaaaaaaaaa agtcgacgcg gccgganatt tagtagtag 1919

<210> 304
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 304
aggtgtacac cctgcccagc cacaagccga tttttaaaag gtcaaatgct atgacagcca 60
ttttacagga aaaaaaaaaa ttgtatagtt gtggtgacgt tcctcacaca gngcaccagc 120
ttcagggagt ctgtcccttg cagacccctg aacccgg 157

<210> 305
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<400> 305
aatgcagtgt tttcgattac tgatctctca ttacccaact atctgatggc atcttcggtt 60
ggactgcttc ctacccagct tctgaattct tacttgggta ccaccctgcg gacaatggaa 120
gatgtcattg cagaacagag tkttagtgga tattttgttt tttgtttaca gattattata 180
agtataggcc tcatgtttta tgtagttcat cgagctcaag tggaattgaa tgcagctatt 240
gtagcttgtg aaatgggaac tggaaatctn ctctggttaa aaggcaatca nccaaatacc 300
agtgggctct ttcattctac aacaagagga ccctaacatt ttt 343

<210> 306
<211> 696
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (661)
<223> n equals a,t,g, or c

<400> 306
gaagcaggca ggttgctcag ctgcccccgg agcggttcct ccacctgagg cagactccac 60
gtcggctggc atgagccggc gcccctgcag ctgcgcccta cggccacccc gctgctcctg 120
cagcgccagc cccagcgcag tgacagccgc cgggcgccct cgaccctcgg atagttgtaa 180
agaagaaagt tctacccttt ctgtcaaaat gaagtgtgat tttaattgta accatgttca 240

ttccggactt aaactggtaa aacctgatga cattggaaga ctagtttcct acacccctgc 300
atatttggaa ggttcctgta aagactgcat taaagactat gaaaggctgt catgtattgg 360
gtcaccgatt gtgagcccta ggattgtaga acttgaaact gaaagcaagc gcttgcataa 420
caaggaaaat caacatgtgc aacagacact taatagtaca aatgaaatag aagcactaga 480
gaccagtaga ctttatgaag acagtgctat tcctcaattt ctctacaaag tggcctcagt 540
gaccatgaag aangtagcct tctggaggag aaattcggtg acagnctaca atnctggctg 600
gttacaaatc caaggcccag acccaatatt cccaacaaaa aacttttgnt tggccaggtc 660
nttcaatttt tgaaaaaaag tgggttttgg tttaac 696

<210> 307
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<400> 307
cctaggcctc ccaaaatgtt gggattacag gcgtgaggca ccgcacccaa cctaacagag 60
gaaacacttc aaatgcacat cctcacattt ctagtctacg tagctggaaa aaaaggacat 120
tyttaatatg ctaatgtgga ggtcacctag ttaccctaag ggagaaaagc aaggcaagga 180
cccactgcac agcaagttcc cccttggaag cccacgggcg cactgcccac aaatgcacat 240
aatctctgca gaaatacaaa agccctaatg ctggctgcac tggggacaca ggtaggagga 300
aattttcccc tgtaagcagt tttgaattct gaactatgtg gacagamcac caattttaaa 360
acaatgaaag tgagttggct gggcacatgg tttngc 396

<210> 308
<211> 549
<212> DNA
<213> Homo sapiens

<400> 308
agagacaggg ggcaagaagg ggtgtmaggg cccagtraca aaatcattgg ggtttgtagt 60
cccaacttgc tgctgtcacc accaaactca atcatttttt tcccttgtaa atgcccctcc 120
cccagctgct gccttcatat tgaaggtttt tgagttttgt ttttggtctt aatttttctc 180
cccgttccct ttttgtttct tcgttttgtt tttctaccgt ccttgtcata actttgtgtt 240
ggagggaacc tgtttcacta tggcctcctt tgcccaagtt gaaacagggg cccatcatca 300
tgtctgtttc cagaacagtg ccttggtcat cccacatccc cggaccccgc ctgggacccc 360
caagctgtgt cctatgaagg ggtgtggggt gaggtagtga aaagggcggt agttggtggt 420
ggaacccaga aacggacgcc ggtgcttgga ggggttctta aattatattt aaaaaagtaa 480
ctttttgtat aaataaaaga aaatgggacg tgwaaaaaaa aaaaaaaaaa aaaaactcga 540
gactagttc 549

<210> 309
<211> 1778
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (1704)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1744)
<223> n equals a,t,g, or c

<400> 309
ctgtcttggc cttccagggt gctgggatta caggcgtgag ccactggaac ctggccttgt 60
tttgctttat tttttctctt acatgaagta aagcgctttg gtcaaacaca caaaaatact 120
gccttgtact ggtggttggt ttcattagtg gatcacacac agtgttctac ttggcttgta 180
aaatggtgcc ttggataggg tgagtttgga taagtatgta tgtatgtatg agttatagca 240
aaattaagta gattgaatca agtccatgca aaagcaataa aacagtttta atttttaat 300
tttttaaaaa ttaaaacttt aataaaacag tttttaattt tttgctaggt tcttttaaaa 360
aatgatgtaa cttacatgga agtcttcaca ggacttttt ctttcctgga actattgaaa 420
tgtaatttag gatgatttga tcttccatct caagttgtca acatggctgt gtcattctgg 480
cttacatatg ttttatttaa caaaattcta gtcaagggat aagggcataa tgaagacaag 540
cttcagttat gaaagtacaa actatttgtg tgattaattt ttaaaaatga cattaagaag 600
cccattgtaa aataatattt gcagtcaaat ggtttttctt gctgtaagtc ctgttgtagc 660
tatgtttagg gtagtggttc tcatctacct tggagtgcat aagacttacc tagcaggctt 720
gtttaaaaag ttcagattcc tagctttgta cccagggatt gcctcaggtg gtatgggctg 780
tggtcctgga gtcatcactt ttataaatag tggttcagag accacagaga gagactgctt 840
catcgaatgg gaagtaccaa ggagaaagta caattcagta ttgtctggag gcaagtggac 900
actttgtacc tgaggtttag aataggtggt ctcttgccag tacaatcccc aggcgttttc 960
tgtgttcaga agtagtaaga atgcctttaa ttcagaggat tatctaagct ctttaaagct 1020
gtttttctcc attgtcatag tgccttctct gaaaaatgaa tgtacaggta tcctattttc 1080
taatgtaatt aggatttttt aaaagcaatt tttgatagtt tttcttttaa aaagtaaaat 1140
tcagcactgt gacttgaacc cccaaatctt tcacatacag gtgaaacatt aagccacaaa 1200
taaaaataat gaacaagaaa gaagacaaga tcctaattcc tgtcattagt gacctaagta 1260
ccccatatca gaaactttgc aaaacagatc tagggacaga agggctttga aagacatttt 1320
tctttggggc aaatttcgtg tgccagaact acagtttaaa tgtttttatg agcaagggaa 1380
ggtagcattg attcccatag ctttctaatt agatacatgc tgtcatggat gtaagcctta 1440
aaggagttaa tactaatctt gtacatacac aaattttcct caggtttttt tattttaaaa 1500
aatgatttgt taaaagtact gtctgctaga cccttgcctt tgagtggctt tgaaacttaa 1560
tatagttttt aaaaagtgca atgggatgag attatgctat tagtatatta aaagcatgtt 1620
tctgttttac tccaatttgt aagatcattt aatggaataa agatcacaac accaaaaaaa 1680
aaaaaaaagg gcgggccgct ctanaagatc caagcttacg tacgcgttgc atgcgacgtc 1740
atanctcttc tatagtgtca ctaaattcaa ttcactgg 1778

<210> 310
<211> 771
<212> DNA
<213> Homo sapiens

<400> 310
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acagtggttt gagaggctgg gagggttgag gggaagataa acttttaaaa agctcttatc 120
tttcatttca atcagttaaa aatacttgct cagtgtaaca attttgcttc tcagcttcca 180
ctctaatatt gttgtgccat taagcaattt agctaatcct gacatttctt agattcataa 240

tgttaggagc atttaatctg tattttacaa gttaggaagc agaggatcag agatgggaaa 300
ggactagccc aaggccaaca ttaacaagcc ctctaacaaa aactttacaa tacatttatg 360
ttgaatggaa ctccaagatc tcacctctcc atccaggaat ggagtccatg taatcaaagt 420
gaacttaaaa ataggacagt ttcaacaagt caggagattc acagcaactg atcaaaggga 480
gtccagtcaa cgtgagcaag cgtgattatg atgaggaagc cccctctgct ttaatccaca 540
caaggaacgt aacctgaagt aacctgatgt taaccaatct gctgtgtcta ctatgctgtt 600
tccttgttcc tgctagtgct gctttacaaa tgcagaccat tctatcatac ctggcrgggc 660
ttctgtttta ttttgtaggc tggatgctac ccagttcatg aatcgctaat aaaagccaat 720
tagatcttta taaaaaaaaa aaaaaaaaat tactgcggcc gacaagggaa t 771

<210> 311
<211> 1419
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1005)
<223> n equals a,t,g, or c

<400> 311
tcttgaaaac ccgggtcgac nggacncgtc cgcgaaggcc agcccttcga atactttgtt 60
tatggagctg cctgttccga ggttgaaata gactgcctga cgggggatca taagaacatc 120
agaacagaca ttgtcatgga tgttggctgc agtataaatc cagccattga cataggccag 180
attgaaggtg catttattca aggcatggra ctttatacaa tagaggaact gaattattct 240
ccccagggca ttctgcacac tcgtggtcca gaccaatata aaatccctgc catctgtgac 300
atgcccacgg agttgcacat tgctttgttg cctccttctc aaaactcaaa tactctttat 360
tcatctaagg gtctgggaga gtcgggggtg ttcctggggt gttccgtgtt tttcgctatc 420
catgacgcag tgagtgcagc acgacaggag agaggcctgc atggaccctt gacccttaat 480
agtccactga ccccggagaa gattaggatg gcctgtgaag acaagttcac aaaaatgatt 540
ccgagagatg aacctggatc ctacgttcct tggaatgtac ccatctgaat caaatgcaaa 600
cttctggaga aaacagagtg cctcttccca gatggcaatc tgtcctatct ctgtgctgga 660
agatgctaga tctgaaagac agagtttcca cagttcagaa atcatcccac agtgttgctt 720
ttctatggag ctgatttaaa gtattccatt tagatttgat agatatgctt aagcaatcta 780
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<210> 312
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<400> 312
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gaaatttgct tgtcagcatt gcatcacttt tccttaactg ttctctaagt actgatgtct 180
ttcaaattga ctcagakcat actccttatc tttgagcaga atattttgaa cagaaaawta 240
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tttcctctta cattgtttat agtaggtagc ccttgaaaag aaaatcactt atccctgcca 420
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<210> 313
<211> 2435
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2408)
<223> n equals a,t,g, or c

<400> 313
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<210> 314
<211> 2543
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2538)
<223> n equals a,t,g, or c

<400> 314
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<210> 315
<211> 828
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (828)
<223> n equals a,t,g, or c

<400> 315

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cgtgaagtac tacaccctag aggagattca gaagcacaac cacagcaaga gcacctggct 180
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gatcctgcac cacaaggtgt acgatttgac caaatttctg gaagagcatc ctggtgggga 240
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<210> 316
<211> 1608
<212> DNA
<213> Homo sapiens

<400> 316
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cactatgtgg ctctacctgg cggccttcgt gggcctgtac taccttctgc actggtaccg 240
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<210> 317
<211> 1057
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (958)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (966)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1035)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1053)
<223> n equals a,t,g, or c

<400> 317
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<210> 318
<211> 1336
<212> DNA
<213> Homo sapiens

<400> 318
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<210> 319
<211> 496
<212> DNA
<213> Homo sapiens

<220>
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<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 319
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aagagttcca aaataataat gaccttgagt tacaacaaaa atgtattaat gtactaagca 180
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<210> 320
<211> 1756
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (1718)
<223> n equals a,t,g, or c

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<222> (1721)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1733)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1750)
<223> n equals a,t,g, or c

<400> 320
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gagacttgca gtgtggaaat cccagagcta gaatttgaac tgggaatggc agtcctcggg 1140
ggcaagttca ccacactgga agggctgctg aaagacatcc gggaactggt gaccaaaaat 1200
cctttcacac tgggcgacag ttccaatcct ggacagacgg agagactaca ggagtttagc 1260
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gagcgttaca agcgcacctt tgaccaaaat gaggagctag ggctcaatga catgaagaca 1440
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tccagcgctg ctctttctgt aggttattta ttagtattgg atgaaggcga aggctgggag 1560
tgtctttccc accagccctt gcccatggtg gggaggacat ctggtctgag tcagagatct 1620
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ggcttgactn gctcaa 1756

<210> 321
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

<400> 321
gggaggccga ggtgggagga tcactggagc tcgggagttc aagaccagcc tgggcaacat 60
agtgaaaccg tctccacaaa taatttttaa aaaattagcc aggcatggtg gtgccgcctg 120
tagtcccagc tactcaggag gcttgggtgg gaggattgcc tgagaccagg aggttgaggc 180
tgcagtgagc cgtgatttca ccaccactcc agcctgggtg agaaagcaag accctatatc 240
aatgaaaaaa aaaaaaaaaa aagaccagct ttgcagccag aagccagagg atacccaggg 300
acagtagggc tcccaggtgg ctggttctca gcacaccttc catgaatctg cttgctgctg 360
cttcagtgtg gtggccatcg tgctgtgtga caaaccaggg ctgttcacag yttcctcagc 420
cccccagaag gggagttgtt cagggaagag acattttagt ttcattttgc cttgcaattt 480
tctttcttcc ttgcaaggtt cttcggtggg anttcagttc accaaaacaa aaggcttaaa 540
ccngggtttt tttaaggaga gggtttntta aatncccttt tgcccgac 588

<210> 322
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<400> 322
gacagtcacn gtacngnant cccggtcgac ccacgcgtmc gagaagcagg aattcctgaa 60
ttttatgact atgacgttgc cctgatcaag ctcaagaata agctgaaata tggccagact 120
atcaggccca tttgtctccc ctgcaccgag ggaacaactc gagctttgag gcttcctcca 180
actaccactt gccagcaaca aaaggaagag ctgctccctg cacaggatat caaagctctg 240
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aagaaaggca gctgtgagag agatgctcaa tatgccccag gctatgacaa agtcaaggac 360
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cccaatactt gcagaggtga ttctggcggc cccttgatag ttcacaagag aagtcgtttc 480
attcaagttg gtgtaatcag ctggggagta gtggatgtct gcaaaaacca gaagcggcaa 540
aagcaggtac ctgtcacgcc cgagactttc acatcaacct ctttcaagtg ctgccctggc 600
tgaaggagaa actccaagat gaggatttgg gttttctata aggggtttcc tgctggacag 660
gggcgtggga ttgaattaaa acagctgcga caacaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaag gggggggg 738

<210> 323
<211> 876
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (759)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (761)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (786)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (798)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (857)
<223> n equals a,t,g, or c

<400> 323
agaccagcag ctggccgctg ggctgtgaac gccagggacc gagcggaagt tcccgcccgg 60
ncgcgatcgg tgccgcggct tctgcaggga agtggctacg cgcgtccctc gggaaaagca 120
ggctttgcaa attggcagcc caagtytcag gggcctgtgc agtgactgat cattaccaac 180
atttcgaagt gagagatgtc acataaagag cgtcatttcg agcttctctt gaaaagttgt 240
aaggtgagct accctgggac tgtattcctg aatggcaatg tgatggcaga gtcctgcagt 300
attaccacct gaggacttgt gcaccagggt tcccacccac ccacttcagg cccttggttc 360
agggatgtgc ccgtcatgga aataacaggt gctgtggctc tgctggtttt ggctttcctt 420
ctctgtaacc ttccaatatc tttctccttc caggtactgt aaaccactta gtaattaatt 480
agttaataaa ttcatctcat cagcactttt aaaataatgt gctaggccac actgtcatgg 540
accccagata tacagcagca aacaaagcag ccatggtacc ttccctcagg gagcagtcag 600
tccagtggag gagtcagata tgactcacca cacagatcga aaaatctyca caaattatga 660
gaagaatgct gagggaagaa agaacatagg tggacccgct gctgagtcca ggcttacttg 720
cagagatcta tgctggccag gccctgtgct aggcagcana ngacatggaa taaaatcaaa 780
taaggncact gtgtgcangc accttacggt gtgggaaaag gaacaagccc cattcacagg 840
gttttattaa tttccancct gtgagaaatt gggaac 876

<210> 324
<211> 1322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1309)
<223> n equals a,t,g, or c

<400> 324
aattcggcac gagcggcacg agggaaattg agcggagagc gacgcgnttg ttgtagctgc 60
cgctgcggcc gccgcggaat aataagccgg gatctaccat acccattgac taactatgga 120
agattatacc aaaatagaga aaattggaga aggtacctat ggagttgtgt ataagggtag 180
acacaaaact acaggtcaag tggtagccat gaaaaaaatc agactagaaa gtgaagagga 240
aggggttcct agtactgcaa ttcgggaaat ttctctatta aaggaacttc gtcatccaaa 300
tatagtcagt cttcaggatg tgcttatgca ggattccagg ttatatctca tctttgagtt 360
tctttccatg gatctgaaga aatacttgga ttctatccct cctggtcagt acatggattc 420
ttcacttgtt aagagttatt tataccaaat cctacagggg attgtgtttt gtcactctag 480

aagagttctt cacagagact taaaacctca aaatctcttg attgatgaca aaggaacaat 540
taaactggct gattttggcc ttgcagagct tttggaatac ctatcagagt atatacacat 600
gaggtagtaa cactctggta cagatctcca gaagtattgc tggggtcagc tcgttactca 660
actccagttg acatttggag tataggcacc atatttgctg aactagcaac taagaaacca 720
cttttccatg gggattcaga aattgatcaa ctcttcagga ttttcagagc tttgggcact 780
cccaataatg aagtgtggcc agaagtggaa tctttacagg actataagaa tacatttccc 840
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aaatataact taaaaatgta aatattctat atgaatttaa atataattct gtaaatgtgt 1200
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ct 1322

<210> 325
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 325
aattcggcag agctaaaaca gattcaaacc ttgaagcaga tgaacgagca actgcaggct 60
gagnacaggg ncctgacccg agtggtggcc agactctcgg agtccatcga gtcctcggac 120
acccaggagc tctagttctk gcccctactc tccaactcac ttccctcctc cactactcca 180
ggcaggttca gtcttcttgt tagtcccaga agctctgtgc tcatcccctc catccgagcc 240
tccatatgca ggttcctgca aagcttggtt atctgcagat ggaagcagcc aggactgaga 300
tcatagaatg gggacatacc agcctaggtc aagggaggca gt 342

<210> 326
<211> 3690
<212> DNA
<213> Homo sapiens

<400> 326
ctgggcgact cctcctcctc ctcttctcgc cattgcagtt ggacccagca gcccggcgcg 60
cacgcgtggc ttttgggggc agaccccggc gggctgtggc aggagggcgg cggcggcggc 120
tgcggtcgaa gaaggggacg ccgacaagag ttgaagtatt gataacacca aggaactcta 180
tcacaatttg aaaagataag caaaagtttg atttccagac actacagaag aagtaaaaat 240
gcgtccaatg cgaatttttg tgaatgatga ccgccatgtg atggcaaagc attcttccgt 300
ttatccaaca caagaggagc tggaggcagt ccagaacatg gtgttcccac acggagcggg 360

cgctcaaagc tgtgtccgac tggatagacg agcaggaaaa gggtagcagc gagcaggcag 420
agtccgataa catggatgtg cccccagagg acgacagtaa agaaggggct ggggaacaga 480
agacggagca catgaccaga accctgcggg gagtgatgcg ggtgggcctg gtggcaaagg 540
gcctcctact caagggggac ttggatctgg agctggtgct gctgtgtaag gagaagccca 600
caaccgccct cctggacaag gtggccgaca acctggccat ccagcttgct gctgtaacag 660
aagacaagta cgaaatactg caatctgtcg acgatgctgc gattgtgata aaaaacacaa 720
aagagcctcc attgtccctg accatccacc tgacatcccc tgttgtcaga gaagaaatgg 780
agaaagtatt agctggagaa acgctatcag tcaacgaccc cccggacgtt ctggacaggc 840
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gagtcattct ggctctctgc tgaggcccct gttttctggc aggtgccctc cttggaaact 3360
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tagaaagtta ttgtttgaga ataatgtctt tttataccag gaaaatagtt atcctgaatg 3600
acgttgaaaa ctccccctcc cctttatttt tttttaatca atacatgtga aagtaacaaa 3660
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3690

<210> 327
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (701)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (709)
<223> n equals a,t,g, or c

<400> 327
aattcggcag agtgcgacct caacgccagg cggttacttt gctgctcctc ccgctcgcta 60
tgtcaacgtc cactagctgc ccgattcccg ggggccggga ccagctgccc gactgctaca 120
gcaccacgcc ggggggcacg ctatacgcca ctacccccgg aggcaccagg atcatctacg 180
accgaaagtt cctgctggag tgcaagaact cacccattgc ccggacaccc ccctgctgcc 240
tccctcagat tcccggggtc acaactcctc caacagcccc tctctccaag ctggaggagc 300
tgaaggagca ggagacagag gaagagatac ccgatgacgc acaatttgaa atggacatct 360
aatccagtgc agatgacctg gcatgtggag ttacagaggg atccctcatg ccactgctgc 420
caccacctct tcctggggca tccaanagcc agctggcctc atctaatctg gaagggagtg 480
acttgttagt tccaggcctc ctttagttct gaggcagcta gaccagggat aggagtgggc 540
aacttgccaa gcccttaact ctacttcctc ttcagtctgt ggtactcctc ctaaccctaa 600
accctctatg ctcaggggct ggaactgggg aatggagtaa gtcaccttct gactgcttag 660
taaacattca aagaaaaaaa aaaaaaaaaa aaaaaaacct ngggggggnc cccgtaccc 719

<210> 328
<211> 989
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (943)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (968)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (982)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (984)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (986)
<223> n equals a,t,g, or c

<400> 328
gcggtgcgsa ggctctgctc ggatcgaggt ctgcagcgca ttcgggagca tgagtgctgc 60
agtgactgca gggaagctgg cacgggcacc ggccgaccct gggaaagccg gggtccccgg 120
agttgcagct cccggagctc cggcggcggc tccaccggcg aaagagatcc cggagntcct 180
agtggaccca cgcagccggc ggcgctatgt gcggggccgc tttttgggca agggcggctt 240
tgccaagtgc ttcgagatct cggacgcgga caccaaggag gtgttcgcgg gcaagattgt 300
gcctaagtct ctgctgctca agccgcacca gagggagaag atgtccatgg aaatatccat 360
tcaccgcagc ctcgcccacc agcacgtcgt aggattccac ggctttttcg aggacaacga 420
cttcgtgttc gtggtgttgg agctctgccg ccggaggtct ctcctggagc tgcacaagag 480
gaggaaagcc ctgactgagc ctgaggcccg atactaccta cggcaaattg tgcttggctg 540
ccagtacctg caccgaaacc gagttattca tcgagacctc aagctgggca acctttttcct 600
gaatgaagat ctggaggtga aaatagggga ttttggactg gcaaccaaag tcgaatatga 660
cggggagagg aagaagaccc tgtgtgggac tcctaattac atagctcccg aggtgctgag 720
caagaaaggg cacagtttcg aggtggatgt gtggtccatt gggtgtatca tgtatacctt 780
gttagtgggc aaaccacctt ttgagacttc ttgcctaaaa gagacctacc tccggatcaa 840
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gatgcttcag acagatccca mtgsccgcca accattaacg rgntgcttaa wgacctccga 960
tctttcgncc caaaaaaaaa angngnatt 989

<210> 329
<211> 434
<212> DNA
<213> Homo sapiens

<400> 329
ctccagacga atagctttcc agttcttctt acccagggct tagaaagtaa cgattttgaa 60
atgctaaata aagtacttca aactaggaat gtaaacctta taaagaagac tgtattaagg 120

atgcccctgc atactattat tccgttgtta caagagctta caaagaggtt acaaggacat 180
cctaatagtg ctgtgctaat ggttcagtgg ctaaaatgtg tgttaacagt tcatgcatca 240
tacctgtcca cgttgcctga cctggtaccc cagctgggga cactctacca gttaatggaa 300
agcagagtca aaacttttca gaaactttca caccttcatg gaaagcttat tcttctaatt 360
acacaagtaa cagcatcaga gaagacaaag ggagcaactt cccctggaca gaaggcaaag 420
ttggtgtatg aagt 434

<210> 330
<211> 696
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (643)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (657)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (685)
<223> n equals a,t,g, or c

<400> 330
aattcggcac gagccaccct ggacgaagcc acccccaccc tcaccaacca aagcccgacc 60
ttaaccctgc agtccaccaa cacgcacacg cagagcagca gctccagctc tracggaggc 120
ctcttccgct cccggcccgc ccactcgctc ccgcctggcg aggacggtcg tgttgagccc 180
tatgtggact ttgctgagtt ttaccgcctc tggagcgtgg accatggcga gcagagcgtg 240
gtgacagcac cgtaggcagc cggagaatgc agcccaagca gggcctggca tggggcagga 300
cagggtccag ccttttccta acatctgcct gtgccacaac ggccagcagg tgccccatcc 360
tctgcccaca gcaractctg tcccatggct ctccgggcag tagagtgtgt gagtgcagac 420
tggacctgtg gttcatacct tgtcaccacc cgggaagctg aaggccactt yctcccagat 480
ggcctcagca ggaccatcgm cctttctcag agcagagggc caggtataga aaccgcagtg 540
ggcctgcaag ccgcccgags ctycccagca gcctcctaca gagcaggaag agggcgccct 600
gttgaaccct gagtgtttgc aggcccagca gaccctgctg ttnccaagcg caccctngct 660
ttcgaacatt aacttcctta acttngggac agtagg 696

<210> 331
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<400> 331
ccacggtgtc ttctaccacc tggccaagag gctcacgggg atcacgtacc tccgtgtccg 60
cagcctgccc ggagaggacc tgagggcccg tkttagctac aggctgctgg gggtcatctc 120
actgctgcac ctggtgctgt ccatggggct gcagctgtac ggtttcaggc agcggcasga 180
ngccaggaag gagtggaggc tgcaccgcgg cctgtytcac cgcaggcctc cttggaggag 240
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gccacgccct gcggccamct gttctgctgg gagtgcatca mcgcgtggtg cagcagcaag 360
gcggagtgtc ccctcctgcc gggagaaagt tccctcccca gaaagctcat ctaccttcgg 420
cactaccgct tgaaccggcg cccgggttgg gccttggaca caaattgaac tctacgggaa 480
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n 541

<210> 332
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 332
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ctgacaagcg ctggggacag tggcgtcctt gtcttgcctt tgtcgctccc gccccgctct 120
tccctggctg ggctggcgga ggccttgctg atgaacctga ctgagggtcc cctggcgatg 180
gcagaaatgg accctacaca gggccgtgtg gtctttgagg acgtggccat atatttctcc 240
aggaggagtg ggggcacttg atgaggtcag agattgctgt accgtgatgt gatgcttgag 300
aattt 305

<210> 333
<211> 445
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<400> 333
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gactgaggaa agctcgctcc ctgcccaggt ttttcattgt tgatcgaaat taacaccagg 120
tggtgaatag agcccctsct aaggttgctc aggataaatc atttattaaa taggtctgct 180
tatcaggagg ggcgtgaagg ctcccaaaag gaaatgctgg cacctgggcc cagaagccag 240
ggccttytaa ctcctggggt tgatttcttc agtgaagttg caccctacaa agggaatatg 300
gccmaagcgg gcacttcaac tggaaggctg rtatcaggcg rttagacagc catggcattt 360
ctggcgttta gtctgggaat gggttggtag aggaggtggg acttatatng agggacttac 420
cagttccccg tttggatttt ggatg 445

<210> 334
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<400> 334
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taaattttaa aagatgatgg actagactca agtatttttn aggactgtcc caatcataag 120
tctgaaggat ttcagtgctt atcataacat ttgacataca gttggcactt ggtaggtact 180
gaatcaatga ataggagtta ttggttgcct attcagaggc ttgtgggagt tgtcatcccc 240
attgcagaga gccagttggt gaatcagcaa ggtttccatt tatgctgctc ccctccaccc 300
agtcccctgg agggact 317

<210> 335
<211> 1524
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1523)
<223> n equals a,t,g, or c

<400> 335
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atctgtatta gccttgtgcc ttctcaattt ggaagtggaa actttgaaat ctgttgaatt 120
actggaaatt ctcttgctag ttaaaaaaca ttccaagatt aatgacactg agttcttcta 180
ctggagagag ttggtttcta aatgcctagc cgagtattct tctcctgaat gttgcaaacc 240
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ctactatagt gttcctgagc tgccaacgat acctgagggg ggttgttttg atgaaagtga 360
aagtgaggac tcttgtgaag atatgagttg tggagaggag agtctcagca gctctcctcc 420
cagtgatcaa gagtgcacct tctttttcaa cttcaaagtg gcacaaacac tgtgctttcc 480
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ggggaatagg tagtttcctg gtttagcccc catctagtca ggaattaata tactggaata 600
cctaccttct atttgttatt cagatcagat ctggcctatt ttcatattta tcctaagcca 660
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tctcgtagat ctttagctac tttggggagg agggaaggtg ctgatacctt caatttgtta 780
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aatgctgcmt gattacrttt awttcctgg aattwcaytt cmgaakaggg rttgtatatg 1380
gtgccaagat tgaatatgaa gaacccgagt gttgagatat agtttaagca atctggtggn 1440
ntcagctaga tgggctatta cttgaatgag attgcaggat ttacttataa tgttactgaa 1500
cttaagctaa ntgtttactg ggna 1524

<210> 336
<211> 306
<212> DNA
<213> Homo sapiens

<400> 336
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ttttctcctc agagccttat tagcaattgg caatcttaaa atttcatctc ctaagcaggg 120
tccttatcag atattccttg acccccctat gttaagtgtc ttagccactc attgttaagc 180
caactgctaa aatcttagaa aaatatttca gccttctcct accccatccc ccacccccac 240
aagcttctag cttcttctac ctacagcaaa tgttaaaact ggtcagaagt tatattattt 300
actctg 306

<210> 337
<211> 291
<212> DNA
<213> Homo sapiens

<400> 337
atgcaaataa aatcaagtca tagttaaact tgcttatgtc aacgattctg ttcttgcaag 60
acctacctgg cctcaagaga aattattttc cagggcccaa cacattggtg ttttatcagc 120
acctaattga cctggggaaa gcagaatgcc taactccagc ctgtggtatt ttgttatggc 180
aggctgagca gactaataca gactttaata tacagactaa aagtaaaggg atggagaaag 240
ataccctag tcaaaataaa gaaagtagtt atgttaatct aagacagagc t 291

<210> 338
<211> 1264
<212> DNA
<213> Homo sapiens

<400> 338
ggcacgagtc gcgaccctgg tccggacctg acctgaattg cgaccccaac ctggactgct 60
cccctgaccg caacccctac ccccgcccac cagtatggcc cggcacgtgt tcctaacggg 120
gcccccagga gttggaaaaa caacattgat ccataaagcc agtgaggttt taaaatcctc 180
tggtgtgcct gttgatggat tttataccga agaagtcaga cagggaggga gaagaatagg 240
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tccacctgga aaacgtgaat gccgagttgg gcagtatgtg gtcgacctga cttcttttga 360
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tattattcca aaagaaaacc attttaggtc atctccccca actctgtttg cttactgctt 1200
aataaatata aaaataaatc tgatggttac agamarkaaa aaaaaaaaaa aaaaaaaaaa 1260
aaaa 1264

<210> 339
<211> 759
<212> DNA
<213> Homo sapiens

<400> 339
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tttgatgtca gtattggcgg tcaggaagtt ggccgcatga agatcgagct ctttgcagac 120
gttgtgccta agacggccga gaactttagg cagttctgca ccggagaatt caggaaagat 180

ggggttccaa taggatacaa aggaagcacc ttccacaggg tcataaagga tttcatgatt 240
cagggtggag attttgttaa tggagatggt actggagtcg ccagtattta ccgggggcca 300
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agtggtccaa gtacaaatgg ctgtcagttc tttatcacct gctctaagtg cgattggctg 420
gatgggaagc atgtggtgtt tggaaaaatc atcgatggac ttctagtgat gagaaagatt 480
gagaatgttc ccacaggccc caacaataag cccaagctac ctgtggtgat ctcgcagtgt 540
ggggagatgt agtccagaca aagactgaat caggccttcc cttcttcttg gtggtgttct 600
tgagtaagat aatctggact ggccccccgtc tttgcttccc tgcctgctgc tgccccattt 660
gatcaagaga ccatggaagt gtcagagatt cagaatccaa gattgtcttt aagttttcaa 720
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<210> 340
<211> 2639
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1651)
<223> n equals a,t,g, or c

<400> 340
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agacttcagt acgatgattg cagatgacat gtctaattat gatgaagaag gagcatggcc 120
tgttcttatt gatgactttg tggaatttgc acgccctcaa attgctggga caaaaagtac 180
aacagtgtag cactaaagga accttctaga atgtacatag tctgtacaat aaatacaaca 240
gaaaattgca cagtcaattt ctgctggctg gactgaactg aagatcaatc ctcacaattc 300
agactgaggg ttgagacaaa actttaagga tacatcttgg accatatcgt atttcattct 360
tctaatggtg gtttgggctt gtcttctagt ctgggccgct ctaaacattt ataattccaa 420
cattgtggat ttcatcttat atctgtggac catcctagtt tattctccca taagtcttag 480
aagctttatg gtgattattt tgaggttttc attctcgcat aaagcacaat gctgtcttca 540
tcagaaaaca gttggcataa gaattaaaca tatgaacatc acaaaacaat ttataaaaac 600
ttcttaaata tacgctttgg gctagttgca aagactatgc taatagcact tccagtgaga 660
gtgatatatt taagtgtact ggatctggaa tggtgttttg gtttgggggg aatytttttt 720
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caatattcta aatttaggca tgagggtttt tttgttttat ttttactttt tttttgtcat 1140

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gtgtttgagt ctgtgtctgt gagagagcca gagagagtga gagagattga cagagaaagg 2580
gagagacaca cacacgcccc ttgaaacact taggagttaa agcaattcaa gggtcgagc 2639

<210> 341
<211> 1824
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1807)
<223> n equals a,t,g, or c

<400> 341
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ttaagtttgt ttatgtttga taaagaacac aatataaata caattttaag tctttgtaag 180
tgtttatgtt ggtataaatc tctgtgcatt gcttaaagtt tagaaataat agtagtttaa 240
aatacagagg tgccagccaa gccatactta ctcttccagt tgtcattggc caccctgaat 300
gatgaatcta aagaagtatc attgtgaaca agggaaatgt cagtcaagaa atattccttg 360
gaatataaaa caaagccttg actctgctgg cataggtctg agttttcata aactggagct 420
tcacaaatct gtaaaactca taatattaat gggtgctttt tcagaaatta tagaatagct 480
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agtgttatgc aggcgtacct cattttattg tgctttgcaa acattgcatt tttttacaaa 600
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ggcggtncgc tcgcgatcta gaac 1824

<210> 342
<211> 4531
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<400> 342
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<210> 343
<211> 584
<212> DNA
<213> Homo sapiens

<400> 343
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caaaaccatt gtgtcaggag tcaaacaaat gtttagaaag caaacatgac gtctctattg 480
tacaacctcc tttctcttgg ctgtttaaag gatgtacttc gtgtattaaa gggtacttta 540
tgttgaagta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 584

<210> 344
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<400> 344
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caacctgaaa taatttaaac tttatatgaa catttcgata agagtttgtg gatttttttct 480
gtagataata tatttgatcc rgaactcaag tgcatggaaa catgattttg atttttaaaa 540
tctaaaaaaa aaaaaaatta aaatcatgct tccctctatt gcagtatcag ttatttagtc 600
acagaatggt attttatgta aattaaaatt aggtgaatgc aatgcaggta actggttttg 660
gaatgggaat gtgcagtgct ttatgtttgg ggagttggag cagggtatct tttcatcaat 720
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<210> 345
<211> 3740
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<400> 345
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acccgcgggg tctagcgcac agcagaggcc gaagacgaga cgggttgcac cccttaagga 480
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<210> 346
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<400> 346
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gacgtccagc gtgtccctca caggaaaggc ctccacccag ccagcaaatg cggcagggat 180
gcctggcttt gccaaagagt gaaagcctcc ccagtgggat ctgccgtagc gcacagggga 240
gcagacggag ccgcggcgca ggggcagcgg gacctcagcc accgctggag agagcggatg 300
ttctgaacgt ttcccctgga cgctgcctgc cacaccagtg gaagctgagt tcatgctgta 360

agacttggct gttcantgag tcattcgaga ttcacagaag cacttacntt gttcaccaga 420
ggacaantgg tgccggtgtt anccca 446

<210> 347
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (769)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (772)
<223> n equals a,t,g, or c

<400> 347
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gctcaggtac tggtctgtca cctgggctgs tcacagtatt tggggccaga gcctacgtga 660
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ta 782

<210> 348
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<400> 348
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cctaaagtgc tgggattaca ggcatgagcc atgactccca gcctaatgtt cagaaatttt 120
gtgagctggc tgttgaacca taggnatctt taaattgtgg cagtattagt actgntacaa 180
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accgtggatt tcctgtactc tgtgtgtttt taatgaaaga gagtttgtga agcaacttac 360
agacatggnt tatttgaaag ctcttctgtt ttattaaaat agaggttcag aaagcagttn 420
tgtatttcat tcagagtcc 439

<210> 349
<211> 2356
<212> DNA
<213> Homo sapiens

<400> 349
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gctcttggct gtggctctcc tgccatggac ctgcgcttct cgggcgctgc agcatctgga 120
cccgccggcg ccgctgccgt tggtgatctg gcatgggatg ggagacagct gttgcaatcc 180
cttaagcatg ggtgctatta aaaaaatggt ggagaagaaa atacctggaa tttacgtctt 240
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<210> 350
<211> 1219
<212> DNA
<213> Homo sapiens

<400> 350
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gcctggccgg gacaccacat tctgtaacca gggaactgaa aacagaagag cttgttcaca 180
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<210> 351
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 351
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tgcagtggct agatttattg ktttttttagc ttcttcatct acaagcagag atggtaaacc 360
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<210> 352
<211> 1283
<212> DNA
<213> Homo sapiens

<400> 352
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aactgatgag ccggtttccg gggagttggt gtctgtggca catgcgcttt ctctcccagc 360
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<210> 353
<211> 3229

<212> DNA
<213> Homo sapiens

<400> 353
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atttctcaag gttataggtt ggggttctta gaacttttg tggtgtgtgt tggcctagag 180
cgactcagaa gcgttagtga gcttcaccta aaaaagctaa cctctctgct gagcgcgacc 240
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<210> 354
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 354
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gcgcgataac atccagggca tcactaagcc agctatccgg cgccttgctc gtcgcggcgg 180
tgtcaagcga atttctggcc ttatctatga ggagactcgy ggtgttctga aggtgttcct 240
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sgccamtttt ttcataaaag agcaagacat cttgktatcc tgctttggtn caaaattttg 480
ctgagaagaa gtactgggca catgng 506

<210> 355
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 355
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gggaatggcc gtgtctaccc ccacccccag gacttgttgg cagccctgcc cctggcgctg 180
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gakgrgtgtg agggatcaga ccaggaggca agtgaagccc aacgccacgc tggagaaaca 300
cttcctcacg gaagggcaca ggccaaggag ccccagctgt ctctcctggc cgcccagtgt 360

ggcctcacgc tgcagcagac ccagcgatgg ttccggagac gccggaacca ggatcgaccc 420
cagctgacca agaagttctg tgaggccagc tggaggtttc tcttctacct gtcctccttc 480
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gttgccaact tgttgcggat tt 742

<210> 356
<211> 1695
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<400> 356
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ttttccctcc tccccgccct cagggtccac ggccaccatg gcgtattagg ggcagcagtg 120
cctgcggcag cattggcctt tgcagcggcg gcagcagcac caggctctgc agcggcaacc 180
cccagcggct taagccatgg cgcttctcac ggcattcagc agcagcgttg ctgtaaccga 240
caaagacacc ttcgaattaa gcacattcct cgattccagc aaagcaccgc aacatgaccg 300
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aaaaaaaaaa aaaaa 1695

<210> 357
<211> 928

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (928)
<223> n equals a,t,g, or c

<400> 357
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gacccgcccg ccaccagcta cgccccgtcc gacgtgccct cgggggtcgc gctgttcctc 120
accatccctt tcgccttctt cctgcccgag ctgatatttg ggttcttggt ctggaccatg 180
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<210> 358
<211> 1374
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1374)
<223> n equals a,t,g, or c

<400> 358
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<210> 359
<211> 4152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 359
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ggaaattgac tcccctttcc cttcccaaag aggataggac ctcccaggat gcttcccagc 2820
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cgtcctgccc gcactgcctc tcccaggaac tggaaaagcc ctgtccggtg agggggcaga 3060
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cccccaggcg ggggtcgggc agscccagcc cctctccttt tcctggactc tggccgtgcg 3180
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ccgcgccccg ggcaggccag tcatgtgtta agttgcgctt ctttgctgtg atgtgggtgg 3300
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gtttcaagtc tgggttctgg tgtccactca cccaccccac cccccaaaat cagacaaatg 3420
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tttactactg atgacttgat ttaaaaaaaa tacaaagatg ctggatgcta acttgatact 4020
aaccatcaga ttgtacagtt tggttgttgc tgtaaatatg gtagcgtttt gttgttgttg 4080
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aaaaaaaaaa aa 4152

<210> 360
<211> 1156
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<400> 360
ggtccgagac acagtcgtgg gcaccatggg cctgaaggcc acgggccgnc tctgcaccgt 60
ggctaaggca agggggctgc gagcctgcag gggagagctg agggacacca tcctagactg 120
ggaggactcc ctgcccgacc gggacctggc actcgccgat gagccagcag gaacgccgac 180
ctgtccatca cgctgggtac atcgctgcag atccggccca gcgggaacct gccgmtggct 240
accaagcgcc ggrkaggccg cctggtcatm gtcaacctgc agcccaccaa gcacgaccgc 300
catgctgacc tccgcatcca tggctacgtt gacgaggtca tgacccggct catgaagcac 360
ctggggctgg agatccccgc ctgggacggc ccccgtgtgc tggagagggc gctgccaccc 420
ctgcccgccc gcccaccccc aagctggagc ccaaggagga atctcccacc cggatcaacg 480
gctctatccc cgscggmccc aagcaggagm cctgcgccca gcacaacggc tyararcccg 540
ccagccccaa acgggagcgg cccaccagcc ctgcccccca cagacccccc aaaagggtga 600
aggccaaggc ggtccccagc tgaccagggt gcttggggag ggtggggctt tttgtagaaa 660
ctgtggattc tttttctctc gtggtctcac tttgttactt gtttctgtcc cygggagcct 720
cagggctctr aragctgtgc tccaggccag gggttacacc tgccctccgt ggtccctccc 780
tgggctccag gggcctctgg tgcggttccg ggaagaagcc acaccccara ggtgacagct 840
gagcccctgc cacaccccag cctctgactt gctgtgttgt ccagaggtga ggctgggccc 900
tccctggtct ccagcttaaa caggagtgaa ctccctctgt ccccagggcc tcccttctgg 960
gccccctaca gcccacccta cccctcctcc atgggccctg caggagggga gacccacctt 1020
gaagtggggg atcagtagag gcttgcactg cctttggggc tggagggaga cgtgggtcca 1080
ccaggcttct ggaaaagtcc tcaatgcaat aaaaacaatt tctttcttgc aaaaaaaaaa 1140
aaaaaaaaaa aaaaaa 1156

<210> 361
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 361
tgggaagtga tatttgggag ctaattgagg cctanggtga aaaaggaaat agcttcagat 60
waaaaytaga aagaagcttt ctgagaaact gctttgtgat rtgtgcattc atctcacaga 120
ggtaaatctt tcttttgatt cagcagtttg gaaacctggc taacatggtg aacccggtgt 180
ctactgaaaa tacaaaaaat tagccaggtg tggtggcaca atgctgtaat cccagctact 240
caggaggctg aggcaggaga atcgcttgaa cccgggaggt gggaggttac agtgagccaa 300
gtttgtgcca ctgcattcca gcctgggctt atagagtggg acttccgtct tcaaaaaaaa 360
aaaaaaaaaa nctngn 376

<210> 362
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 362
ccctaagcca tttttgaaga gaggacctgc cctagcttta tgacttaaga ccatgactat 60
gcatcttaag ttgcccctct gactgggcag ctttctcctg aacacagtga ggaatgctaa 120
gttacatggt ccagtaamtg agtggatacc ctgagccccc gcatcccact ggctgctatg 180
cagggataag tccatgcacc tgtggatggc agtggttgag ctggttctct ataaaagtat 240
ccagtgccca gacctttgtt cacacatgca tgtaaattta ctgggaaaac tctagagacc 300
aatgttcttt cttccacaga aatctggcct agcagtctat tcttaaattg ctctttgtgt 360
gtaagacaca tctgtttgat accccactct gccctgactt ttaggcaaat ccgttaggac 420
aggaaccact attttctttc cttccctttg aatcatcttt taaagcagca gaggcaatgt 480
tkggcagagg tccacattgg gaaagttagt gcatcanga 519

<210> 363
<211> 1385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1360)
<223> n equals a,t,g, or c

<400> 363
acggtcggat tcccggtcga cccacgcgtc aggacggctc cggaccgcgc agttagcgcc 60
gcctggcctg ggccggaccc ggtcagggtt ctcaagctgt cgtccctatg gggctgtgtt 120
ttccttgtcc cggggagtcc gcgcctccca cgccggacct ggaagagaaa agagcaaagc 180
ttgcagaggc tgcagagaga agacaaaaag aggctgcatc tcggggaatt ttagatgttc 240
aatctgtgca agaaaagaga aagaaaaagg aaaaaataga aaaacaaatt gctacatccg 300
ggcccccacc agaaggtgga cttaggtgga cagtttcata aagcataaca tgagtagaag 360
aatctactgc caataactgt ttattatctg caatcaagtg ggcttcatca atttaatttc 420
ttctctttga gtaaatgaag attcagactt tgtaatatta ttgcccttaa gtgcaatgct 480
aaaaaaacgt tgattttcaa gcttagagaa tggctagact tttcattaaa tactgatttt 540
cctacatttg ctcttctgca gttagtgggt gatttgctat ttttcttagt agttaaaaaa 600
tggaactaaa tagtgaatat acatacactg catgtaaaca ttctgcatat acctctaaga 660
ttaaaattcg cagttgtctt ttcatccttt ataaaatgat ctaactactt atatttgtgc 720
tgcatcgcgt tacatctgtt tttatttcac tatgaagatg tttgattaaa cttatggact 780
tagtgccttt aaactgatca tcagggagaa tcttgaaaaa atcatttgaa gggctgatgt 840
gaaggagcac tgtaaatttt tataacttag taatgagtat tcttaggcag atgtaaaatt 900
ttttccaatt tatttttatt tatgtagctt ataaaattaa catacctgt tttactttat 960
gataaaggat tttttgtttg ctgaatttaa aattatatat tagtgatacc atcagagggc 1020
agtgatgttc tattgtatat taaattcagc tctgtaagga tctttgtagt aattgaatga 1080
gttaaactaa taatctggat gggttataat gagtagtaat atatttgtcc atatttcata 1140
agtagtgkta atcttgkgka cttattagag gaacgatcat aaggatttat acaggatgtg 1200
gaaactgcgg aaggcaagtt atkgaatgta tgraaaaaaa catgtagggt actgkacttt 1260
accaaaaggg tctacttcca ggatattaaa aatattaggg gtaattctat taccatgccn 1320
aggtccttaa cccttaaccn ttttgttccn tagggaaccn ggattttatg gccttttttg 1380
gtttc 1385

<210> 364
<211> 977
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (962)
<223> n equals a,t,g, or c

<400> 364
aacaanacct ccataacctt ccccnaaatg aaaacccccc caaagtataa gccgccatat 60
tttccggata tttttggtgg aattccccaa aagggaaatc cacagggctg ttccgaaata 120
ttgggggaac actgtttttc ctgcatcatc ctgcatttgc tccccaagca atgtagaggt 180
gtttaaaggg ccctctgctg gctgagtggc aatactacaa caaacttcaa ggcaagtttg 240
gctgaaaaca gttgacaaca aagggccccc atacacttat ccctcaaatt ttaagtgata 300
tgaaatactt gtcatgtctt tggccaaatc agaagatatt catcctgctt caagtcagct 360
tcagaaatgt tttaaaaggg actttagctc tggaactcaa aatcaattta ttaagagcca 420
tattctttaa aaaaaaaaaa gctggataat attmtctgta atatttcagt cctttacaag 480
ccaaatacat gtgtcaatgt ttctagtatt tcaaagaagc aattatgtaa agttgttcaa 540
tgtgacataa tagtattata attggttaag tagcttaatg attaggcaaa ctagatgaaa 600
agattagggg cttccacact gcatagatta cacgcacata gccacgcata cacacacaga 660
cacacagatg tggggtacac tgaacttcaa agcccaaatg aatagaaaca cattttctgg 720
ctagcagaaa aaaacaaaac aaaactgttg tttctctttc ttgctttgag agtgtacagt 780
aaaagggatt ttttcgaatt atttttatat tattttagct ttaattgtgc tgtcgttcat 840
gaaacagagc tgctctgctt ttctgtcaga gatggcaagg gctttttcag catctcgttt 900
atgtgtggaa tttaaaaaga ataaagtttt attccattct gtgtgaatgg tttgagcagt 960
gngaaaagga caaaaaa 977

<210> 365
<211> 964
<212> DNA
<213> Homo sapiens

<400> 365
gttcggcaca gaaagggaga tgggtagcat cattttgatt aacatttggg gcctgatagg 60
ggaaatggtg aagcaatgga aaagaacaga caactaatga tttgcttcta tgtccagaat 120
attttacctt taaaaaaatg tcattggcac cataaataag gactgtgaga gactgtttaa 180
aagctgtgaa agtctgaaac ctataagcca aggtgttccc tgcctaaact tattgctgtt 240
cccacaaagg actaagcctg ttcataagtt accaaagttg ccattttgga gatggaaatt 300
gacgaggagg gaaggtcttt tattggagag tatacagtac aagcagatca ttctgcctta 360
gaggtgctaa ttcccgaaat tagaagaccc tttcttttcc agtaacgaag ttataaatat 420
cagcttgttc atccaagcca ctggctgagg tgttaggaag aggaagaggg tggtagagga 480
ggtaagacag tagggaaaga caagggccca tgctcttagt ggggaaaact cttggagccg 540
tttactttga gctttgaaca ctgaaaccat tgttggcagg gttcagtcac tgacagcaca 600
agtttcactg aattgatcca agagtttagt gatttcaaaa gccttggtct caggagaaga 660
ttaaactttc atattgggca gtggttcact ttaaaacaca cacatacaca cacaaaacaa 720
ttttttaaga aatcctaata agtaacatac ccaaaatgct ctgtcttgag tcatgagaac 780
catcagttct tgatattgtc tagacttgca tctagagcta cgttgtaaaa ttcttttagg 840
catgtgttag atttctgtgt aaactttgtt taaatgtaaa cttcatacta cattgtcagt 900
ttttgtctta ataaaactat agatttataa aaaaaaaaaa aaaaaccgcg gggggggggc 960
ccgg 964

<210> 366
<211> 1297
<212> DNA
<213> Homo sapiens

<400> 366
gtggcttacg cctgtaatcc cagcactttg ggaggccgag gcaggcggat cacgaggtca 60
ggagttcgag accagcctga ccaacatggc gaaaccccgt ctctactaaa aatacaaaaa 120

ttagctgggc gttatggcgg gcgcctgtaa tcccagctac ttgggaggct gaggcagaag 180
aatcgcttaa acccaggagg cggaggttgc agtgagctga gatcatgcca ttgcactcca 240
gtctgggcga caggagcaag actctgtctc aaaaaaaaaa atcattcttt ttagtcttag 300
cacctactta aggatccact tttagggctc acccacattt gtttctagat ttacccctgc 360
gctagagtaa gcactttatc tccagaactg agagcaaagt taacaaatct caccccttct 420
ctcctgcaaa ttagtggaca gactccctgg aacatgtttg gggcttccac ctagggccac 480
ctagtggtat ctctgggtct ttacttggtc agatgtttat tctacattgt tccccaggaa 540
cagagtatga gctcattgat gcagaccgat tctaattgcc aggccctaat ttgcagacta 600
actctcataa taaacagagg cccatagttg tttatgaact gcttatccct taaaggagca 660
caagaacccc tccctgccct ccttgggcac cctgcctcca ggagatggag gcacgtgata 720
agacaaaaga ctgcaccaac tcaccctgac acagttacat agtcactgag agtggggaag 780
atgggacagc ccacatgctg cataagatgg gccttatgca gcaggcccag gtcgtcatta 840
aggagtgacc cctttcctgt aacctgcact ttgggatggt agaagtttct ttacctgctg 900
acaggtttgg tggcactgct ggttaccccc gggccctgaa tggagctaaa atcacatttg 960
gtaccagcag cacctatccc aagtgtgatc cttcatccca acactccctc ttggagctgt 1020
tccctgggta gagctagcat gccagcagct tctgcaggct ccaaacccag gccagaagcc 1080
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tctttactat gcactttagc ttataaagcc aattaaaaac gatgattgag aaaaaaaaaa 1260
aaaaaagggc ggcgctctta gaggatccaa agcttac 1297

<210> 367
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (704)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (746)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (753)
<223> n equals a,t,g, or c

<400> 367
gcggctggtt tcttggtgag cccgggtccc tcaaggccgg aaagaaagtc gggcttctct 60
agcccctgga ggactcgact cactggtgcg cgatttaggt ccggagaggc gttgtgaggt 120
gagctttttc agaagcgcga tcccaggaca cgtcgggaag caagcatccc cagagctgct 180
tggaaagagg accaaagacg tctaaaaagt catttggaaa tatctctaaa tatttgttac 240
catgtataag ctgctaaaga gaaattgggc ccaacaaaac taattgaata attgaggcag 300
atttgtgtgt atcatcaaat tctatccaga agttgaagaa tctgaattta aagattgtgt 360
gcatttaata agaggatgac ctttcagttt aatttcacta tagaagacca tctggaaaat 420
gaattaacac ccattagaga tggagctttg accctggatt cctcaaaaga gctgtcagtc 480
tcagaaagtc aaaaaggaga agagagggac agaaaatgtt ctgcagaaca atttgacttg 540

cctcaggatc acttgtggga acataagtca atggaaaatg cagctccctc tcaagacaca 600
gacagtccac tcagtgcagc cagcagttca aggaacttgg gagccacatg ggaaaacagc 660
cctccttgag agctggccaa aggrgcmtgc tatgccttaa aggntttaaa gaagrtgttt 720
aggaaaatwa aagtycttag gaaacnttta ccngggtttt ccmgyctgtt taagttwttc 780
rgtta 785

<210> 368
<211> 920
<212> DNA
<213> Homo sapiens

<400> 368
ggcagagctc atgccatcac agtatctgtt gcaaatraaa aggcactagc taagtgtgag 60
aagtacatgc tgacccacca ggaactagcc tccgatgggg agattgaaac taaactaatt 120
aagggtgata tttataaaac aaggggtggt ggacaatctg ttcagtttac tgatattgag 180
actttaaagc aagaatcacc aaatggtgtt ctgtggctgt ggagatgaga gcaggatccc 240
agctgggacc tggatatcag catcacgcac aacccaagcg caaaaagcca tgaactgaca 300
gtcccagtac tgaaagaaca ttttcatttg tgtggatgat ttctcgaaag ccatgccaga 360
agcagtcttc caggtcatct tgtagaactc cagctttgtt gaaaatcacg gacctcagct 420
acatcataca ctgacccaga gcaaagcttt ccctatggtt ccaaagacaa ctagtattca 480
acaaaccttg tatagtgtat gttttgccat atttaatatt aatagcagag gaagactcct 540
tttttcatca ctgtatgaat tttttataat gttttttttaa aatatatttc atgtatactt 600
ataaactaat tcacacaagt gtttgtctta gatgattaag gaagactata tctagatcat 660
gtctgatttt ttattgtgac ttctccagcc ctggtctgaa tttcttaagg ttttataaac 720
aaatgctgct atttattagc tgcaagaatg cactttagaa ctatttgaca attcagactt 780
tcaaaataaa gatgtaaatg actggccaat aataaccatt ttaggaaggt gttttgaatt 840
ctgtatgtat atattcactt tctgacattt agatatgcca aaagaattaa aatcaaaagc 900
actaagaaat amaaaaaaaa 920

<210> 369
<211> 834
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (831)
<223> n equals a,t,g, or c

<400> 369
cctagaacgc tttgcgtccc gacgcccgca ggtcctcgcg gtgcgcaccg tttgcgactt 60
ggtacttgga aaaatggaca aggattgtga aatgaaacgc accacactgg acagcccttt 120
ggggaagctg gagctgtctg gttgtgagca gggtctgcac gaaataaagc tcctgggcaa 180
ggggacgtct gcagctgatg ccgtggaggt cccagcccc gctgcggttc tcggaggtcc 240
ggagcccctg atgcagtgca cagcctggct gaatgcctat ttccaccagc ccgaggctat 300
cgaagagttc cccgtgccgg ctcttcacca tcccgttttc cagcaagagt cgttcaccag 360

acaggtgtta tggaagctgc tgaaggttgt gaaattcgga gaagtgattt cttaccagca 420
attagcagcc ctggcaggca accccaaagc cgcgcgagca gtgggaggag caatgagagg 480
caatcctgtc cccatcctca tcccgtgcca cagagtggtc tgcagcagcg ganccgtggg 540
caactactcc ggaggactgg ccgtgaagga atggcttctg gcccatgaag gccaccggtt 600
ggggaagcca ggcttgggag ggagctcagg tctggcaggg gcctggctca agggagcggg 660
agctacctcg ggctccccsc ctgctggccg aaactgagta tgtgcagtag gatggatgtt 720
tgagcgacac acacgtgtaa cactgcatcg gatgcggggc gtggaggcac cgctgtatta 780
aaggaagtgg cagtgtcctg ggaaaaaaaa aaaaaaaaaa aagaaaaaaa naaa 834

<210> 370
<211> 947
<212> DNA
<213> Homo sapiens

<400> 370
tggcaataga atagctggat acactaatct ctacaaggtg tcaggcagga gattcaccgt 60
tccccagtcc caggggcagg agagaaatct gtaaagggac agatgcacca tctttatttc 120
aaaagaaaaa gctccctcag attgtgttac taggagtctc ttttgtgaca tttactgasc 180
tttctcccca atcttacctt cctattggct acttttaaa taaaaataaa cattttaggc 240
taatatgaca aaaatgagat aaaatcttaa aaacattgta ctagtgtaca gttactaaaa 300
tgtgcttact acaaaacagt aaaatatttc actctgtaaa tcatcactaa gtagttattc 360
tgtcctgttg attatgagcc tccaaaaatg tttaatgctt gamggatggt ttgggaggca 420
gggaatcctt wtcttaaaac ractktaatg aggcatatgt tacatatcat aaaacaccca 480
tktcaagtgt acatytcagt gattttagta acttccctca gtggtgtagc tgtarctatt 540
actcagttyt agawcatktt tatcccccca ataagatctt catgctcwkt tacagttaac 600
ctgtgcttac cccagcaaca ctaatctact tctctataaa ttgcctttct ggcagtcaat 660
catggaatca tcatagtggc cgtggtctgg cttgtactag aatgtttgag gttgtcagca 720
gtacgtctgg actgtcgata tgcggggaac ggtgtgtggc cattgctgcg ggcttacatg 780
gtcatctgtc tacgactcgc gtgctatgga cgtggtcaaa ccatcgggag cgtctccgcg 840
tcgagttttg cttgtgtagg ggcactggtg cagtttggtg ggagaggccg gtccccgggg 900
aaactctgga gactttgcga gagccgctct agcgcccccc ggtggct 947

<210> 371
<211> 2340
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2301)
<223> n equals a,t,g, or c

<400> 371
ggcacagcag gaactccagg ttctgctggc cgtggcatcc tctctccarg tctgctccct 60
taccggagct asgataasgt agcatgartg acacctgaga ttagaggctg gggctcactg 120
caggctgtgg agaggtcatg ctggtccaca ggaacacttg gcagtgctct cgtagacccc 180

tcggtgatgt ggaatggaca ggtgcctcgc aagagagcaa gcacgttcat aacaaaacag 240
caacacaaag acatgttaag catgtttatt tatttgcctg tttttgtttt tttacttgag 300
ctgtggtcac agctgnccag gtacctaagc aagtcagttg ggtacagcag gacacgccac 360
cattccaggg tagctggtac cgccagaaac aggagtgggt cttgtcctgt tgcaggcaca 420
ctgcagtggt tttcctgcag ctctccaaca aacgcctgag tcacaggcca gagctgcctt 480
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accctggcat gacattcctt ctctttcctg gccctcaacc acttccttcc tttggctctt 780
aagacctagc aggttctgtg aactctcagg ccttggccag cactagttag gggaggtcag 840
gtggtcaatg tcctggtgat tttatgagac tgccccactg agaaaactta cttacttcag 900
gcatccagtg cccccaccca gggttcaggc cctgtctaag gtgttgctta aagacaaaaa 960
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<210> 372
<211> 1575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1565)
<223> n equals a,t,g, or c

<400> 372
atggatttgt ggacatccta gagagtgact taaaggacct cgtcatgtac agcaagtncc 60
agcggctctt ccgctctccg tccatgccct gcagcgtgat ccggcccatc ctcaagaggc 120
tggagcggcc ccaggacagg gacacgcccg tgcagaataa gcggaggcgg aggtgacccc 180
tcctgaggag cagcaggagg ctgaggaacc taaagcccgc gtcctccgct caaaatcact 240
gtgtcacgat gagatcgaga acctcctgga cagtgaccac cgagagctga ttggagatta 300
ctctaaggcc ttcctcctac agacagtaga cggaaagcac caagacctca agtacatctc 360
accagaaacg atggtggccc tattgacggg caagttcagc aacatcgtgg ataagtttgt 420
gattgtagac tgcagatacc cctatgaata tgaaggcggg cacatcaaga ctgcggtgaa 480
cttgcccctg gaacgcgacg ccgagagctt cctactgaag agccccatyg cgccctgtag 540
cctggacaag agagtcatcc tcattttcca ctgtgaattc tcatctgagc gtgggccccg 600
catgtgccgt ttcatcaggg aacgagaccg tgctgtcaac gactacccca gcctctacta 660
ccctgagatg tatatcctga aaggcggcta caaggagttc ttccctcagc acccgaactt 720
ctgtgaaccc caggactacc ggcccatgaa ccacgaggcc ttcaaggatg agctaaagac 780
cttccgcctc aagactcgca gctgggctgg ggagcggagc cggcgggagc tctgtagccg 840
gctgcaggac cagtgagggg cctgcgccag tcctgctacc tcccttgcct ttcgaggcct 900
gaagccagct gccctatggg cctgccgggc tgagggcctg ctggaggcct caggtgctgt 960
ccatgggaaa gatggtgtgg gtgtcctgcc tgtctgcccc agcccagatt cccctgtgtc 1020
atcccatcat tttccatatc ctggtgcccc ccacccctgg aagagcccag tctgttgagt 1080
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tgtcagctga ggctgggggа gagccgtggt ccctgaggat gggtcagagc taaactcctt 1260
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caccatacga gcacctccag cctgaacaga agctcttact ctttcctatt tcagtgttac 1440
ctgtgtgctt ggtctgtttg amtttamggc ccatcttcag ggacamtttc cntwagrmtk 1500
gttttaaggg ttcccctgkt caaatatcag ttacccattc ggtcccangt ttttgntgnc 1560
ccaanaaggg gaagg 1575

<210> 373

<211> 1878
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1717)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1764)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1771)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1773)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1810)
<223> n equals a,t,g, or c

<400> 373
ccgccgcggt gattccatca ctcggctttc ttcccggcct gcctcgcgcc cgtagccggg 60
ctgggccaga acagcccaag atggccgact tcgatgatcg tgtgtcggat gaggagaagg 120
tacgcatagc tgctaaattc atcactcatg cacccccagg ggaatttaat gaagtattca 180
atgacgttcg gctactactt aataatgaca atctcctcag ggaaggggca gcacatgcat 240
ttgcccagta taacatggat cagttcacgc ctgtgaagat agaaggatat gaagatcagg 300
tcttaattac agagcacggt gacctgggta atagcagatt tttagatcca agaaacaaaa 360
tttcctttaa atttgaccac ttacggaaag aagcaagtga cccccagcca gaagaagcag 420
atggaggtct gaagtcttgg agagaatcct gtgacagtgc tttaagagcc tatgtgaaag 480
accattattc caacggcttc tgtactgttt atgctaaaac tatcgatggg caacagacta 540
ttattgcatg tattgaaagc caccagtttc agcctaaaaa cttctggaat ggtcgttgga 600
gatcagagtg gaagttcacc atcacaccac ctacagccca ggtggttggc gtgcttaaga 660
ttcaggttca ctattatgaa gatggcaatg ttcagttggt tagtcataaa gatgtacagg 720
attcactaac tgtttcgaat gaagcccaaa ctgccaagga gtttattaaa atcatagaga 780
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cattcaaggc cttgcgccgg cagcttccag ttacccgcac caaaatcgac tggaacaaga 900
tactcagcta caagattggc aaagaaatgc agaatgctta aaggctgaat gtaggattct 960
tcagtatgtg gaaagacaag gattcaacgt gtggtcatat gataaataag tgatttataa 1020
acaagagtga tattttgcta gggctttcaa agttaaccgg ttttctagcc tcatggaata 1080
ctgttgaacc tatagcgttg tcttgattct tttgtgttct ctgccttgta attttctgtt 1140
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gccacattta atgttggtga gagagtgatc tatcctaatg acattttact gtttaaaaaa 1260

gtttcctagc catgaagccc tgctactgat ttagacaagg tattatggtc attactttgt 1320
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ctgctttgat catcatttat tgcatctcat aactaatttt ctaaagtttg gattgggact 1500
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atccaaagac ttgaaccaca ttccctgcac atgaacatgt ttgcttttat cccttctctc 1620
attgtctcct tcccatctta gtaccattgt agttattaaa accatctggc aatttttttt 1680
targaaaagg caatttttta accccyattt tattttnttt ttaaaaccat tttcaaggaa 1740
actggctgga ccgtactggt gggnattggt nangaagggt aattaaaaaa ctttggaaaa 1800
aaaatgcagn aattggtttt ggaaaaaagg gggaaattaa ttagggtatt ctttggggct 1860
ttttaaataa ctttttat 1878

<210> 374
<211> 846
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (703)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (747)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (786)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (797)
<223> n equals a,t,g, or c

<400> 374
gtgcattcaa tgctctggtt accttctgca tcagagacct cattggctgt ctccagaagc 60
tgctgtttgg aaaggtggca aaggatagca gcaggatgct gcagccgtcc agcagcccgc 120
tctgggggaa gcttcgtgtg gacatcaagg cttacctggg ctcggccata cagctggtgt 180
cctgtctgtc ggagacgacg gtgttggcgg ccgtgctgcg gcacatcagc gtgctggtgc 240
cctgcttcct gaccttcccc aagcagtgcc gcatgctgct caagagaatg gtggtcgtat 300
ggagcactgg ggaggagtct ctgcgggtgc tggctttcct ggtcctcagc agagtctgcc 360
ggcacaagaa ggacactttc cttggccccg tcctcaagca aatgtacatc acgtatgtga 420
ggaactgcaa gttcacctcg cctggtgccc tccccttcat cagtttcatg cagtggacct 480
tgacggagct gctggccctg gagccgggtg tggcctacca gcacgccttc ctctacatcc 540
gccagctcgc catacacctg cgcaacgcca tgaccacccg caagaaggaa acataccagt 600
ctgtgtacaa ctggcagtat gtgcactgcc tcttcctgtg gtgccgggtc ctgagcactg 660
cgggccccag cgaagcctcc agcccttggt ctaaccccct tgncccaagt catcattggc 720
tgtatcaagc tcatccccaw tgcccgnttc taacccgctg cgaatgcamt gcatccgtgg 780

cctgangsyg cttctynggg gaagcttcgg ggggsctttc atcccggtgg ctggcctttc 840
aatcct 846

<210> 375
<211> 657
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (634)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

<400> 375
gcccacgcgt ccgnccacgc tgagatcggc ggccggtgag ggggaagcaa gtctggtctc 60
tgtgattgaa gaagtcggct ctgggctcca gtgcgggaat cacacacata cctcagaatg 120
ccgggtctaa gttgtagatt ttatcaacac aaatttcctg aggtggaaga tgtagtgatg 180
gtgaatgtca gatccattgc tgaaatgggg gcttatgtca gcttgctgga atacaacaac 240
attgaaggca tgattcttct tagtgaatta tccagaaggc gtatccgttc tatcaacaaa 300
ctcatccgaa ttggcaggaa tgagtgtgtg gttgtcatta gggtggacaa agaaaaagga 360
tatattgatt tgtcaaaaag aagagtttct ccagaggaag caatcaaatg tgaagacaaa 420
ttcacaaaat ccaaaactgt ttatagcatt cttcgtcatg ttgctgaggt gttagaatac 480
accaaggatg agcagctgga aagcctattc cagaggactg cctgggtctt tgatgacaag 540
tmcaagarac ctggatatgg tgcctatgat gcatttaagc atgcagctya grmcccatct 600
aattttggaa aggttaanat tggaatgaaa attnaacggg aaaggnctca ttaataa 657

<210> 376
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (662)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (680)
<223> n equals a,t,g, or c

<400> 376
acaatctgaa tgctacttac attgtttaac tcgcgtccnt ttgaagagac caccanacag 60
gctttgggtg agcaataaat ctttttaatc acctgggtgc agncaggctg agtccacaaa 120
gagagtcagc taagggagat aggggtctat gaaggggtgg ggtcgtttta taagatttag 180
gtaggtaaag gaaaattaca gtcaaagggg ggttgttctt tggtgggcag gagtgggggt 240
cacaaggtgc tcagtggggg agatttttg agccaagata agccaggaaa aggamtttca 300
caagktaatg tcatcagtta aggcaaggac tggccatttw crcttctttt gtggtggaat 360
gtcatcagtt aaggyrgggc agggcatwtt cacttctttt stgattcttc agttacttca 420
ggccatctgg gcgtrtacgt gcawgtcata ggggatgcga tggcttggct tgggctcaga 480
ggcctgacat tcccaaagag aatacgaagc taagtgaggg aagagatttt tttatgtttc 540
attcctagtg ctgtgtgggc acttagcaaa taattttaga acaaatgaat acactttgcc 600
agatttaata gagaagtttt tacttactga agttggaaga tttgtangtg ttnccactcg 660
cnccatggac agtaatgtan ggatttaaag gcagg 695

<210> 377
<211> 3610
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (29)
<223> n equals a,t,g, or c

<400> 377
ggcacgagag cgggtctggc tggcggcanc ggcgggaggg agccgagaga cccgagtgca 60
cgtgtggaga agcggcggca caagcgcggc ggcgggagac actcccgccc ccaccagact 120
caagccctca ctcgactctc gcggccttcg ttgctcgcac agctccctgc ccaggctagg 180
aggccggctt gcggggttga gtggcccgag ctaagggtgc ggagaccyaa gggcggcgac 240
tacgacggcg ttgatatcgg tggtaacgac ggcctcagca ggcggggaag atgaaagtag 300
ccggatcgag ctgggagatg tgacaccaca caatattaaa cagttgaaaa gattgaatca 360
ggtcatcttt ccagtcagct acaatgacaa gttctacaag gatgtgctgg aggttggcga 420
gctagcaaaa cttgcctatt tcaatgatat tgctgtaggt gcagtatgct gtagggtgga 480
tcattcacag aatcagaaga gactttacat catgacacta ggatgtctgg caccttaccg 540
aaggctagga ataggaacta aaatgttaaa tcatgtctta aacatctgtg aaaaagatgg 600
tacttttgac aacatttatc tgcatgtcca gatcagcaat gagtcggcaa ttgacttcta 660
caggaagttt ggctttgaga ttattgagac aaagaagaac tactataaga ggatagagcc 720
cgcagatgct catgtgctgc agaaaaacct caaagttcct tctggtcaga atgcagatgt 780
gcaaaagaca gacaactgaa caaattacaa atgaactttc ttgcacttgc ttgtcgccaa 840
ataaaagaga ggcccattga ttcctccccc accccaacac ttttctttta aagcttttct 900
ccctccttgt tcttgttttt ctttcttcct ttccttttct ctgagagttt taatactttc 960
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ttaattgtca aataatttca aatttaatgt cctgctttca cattgaaggg cagagcctac 1140
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tatccatcat atttttcagg acagatagtt tttactgtgg ggcaaatagg ttaaaattac 3240
actatgttag ttgcatttag gttttaaagc aaagaatctg tagagaaatc tatgcaatat 3300
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tactcatcaa ttgaaaagtc ctccaaaaag agaactattg ggaaaccatg gtgtggtggt 3420
ggaaaagaaa agctccctca gtttttgga gggaataact taaaaaaata cttaaatggc 3480
taagtttact tggtgcagtt aagaattaaa cttgtcaatt ttaacattgc tgttacatct 3540
gaaataaact tatgtgatgt tctggtaaaa aaaaaaaaaa aaaaccaaga ctagttctct 3600
ctcactctcc 3610

<210> 378
<211> 223
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<400> 378
gtaaaaccgt atactaaatt tgaaatagaa atataagcgt gaactcattt gtttgttctt 60
ttaccgtnag acacattttc tacctcctgc cccagtacag ttagacacat ccaagcacct 120
agaagttggt ctcctaatac attgaaaaac catgaattca taktgatggt ttcccaaagc 180
ccaaaccaac ccaaccaaac atgttatttg gtcctccttg gaa 223

<210> 379
<211> 809
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<400> 379
agccaggcct ccagccgcga ggactggagt cgcgggaggt ggagccccag tccggaagcc 60
ggggatccgc ggccatgacg gtgccggtcc gcggcttctc gctgctccgc ggccgccttg 120
gccgagcgcc ggcgttgggc agaagcacag caccctccgt aagggcaccg ngagagcccg 180
gragtgcgtt ccggggcttt cggagcagcg gtgtgaggac cagcagagag aagagattcc 240
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atttctgagc tgtgtagggc cttaattgaa aaagtatctt tgattatttt ttcacatttt 540

ggccacakgc cyataataat ggratattta cagtactttt tagtggagaa ctttttaag 600
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ttaacattct tctctcaatg agttttcctt taaaatttgc agtgaatttg ttttcctgtt 720
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cccttgttgc aaacggacgc gtgggtcga 809

<210> 380
<211> 2550
<212> DNA
<213> Homo sapiens

<400> 380
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cctaaagggt ttgaagccaa aagccgaagt agcaaaaatg agacgaaagg gcggggcagc 240
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gggctcctgc ttttgaatct ttccggccac caagatgtcg tgagagatct gagcttcaca 480
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<210> 381
<211> 1268
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1262)
<223> n equals a,t,g, or c

<400> 381
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agcttccttg agcagtgggc ccaggcctgg ccctccacac ttcattctct gacctttctc 120
tctcctcatt tcggtgcatg tcctttctgc agctgccttt cagcacaggt ggttccactg 180
ggggcagcta acgctgagtg acaaggatgg gaagccacag gtgcatttta ctcaagtctt 240
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atcagcctct cttactgtac tctccgggaa tgttaacctt tctattttca gcctgtgcca 360
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tccagggtgt tttccactag tcactactgt cttctccttg tagctaatca atcaatattc 660
ttcccttgcc tgtgggcagt ggagagtgct gctgggtgta cgctgcacct gcccactgag 720
ttggggaaag aggataatca gtgagcactg ttctgctcag agctcctgat ctaccccacc 780
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gaactctatc ctgttaggat cttctgagct tgtttccctg ctgggtggga cagaggacaa 960
aggagaaggg agggtctaga agaggcagcc cttctttgtc ctctggggta aatgagcttg 1020
acctagagta aatggagaga ccaaaagcct ctgattttta atttccataa aatgttagaa 1080
gtatatatat acatatatat atttctttaa atttttgagt ctttgatatg tctaaaaatc 1140
cattccctct gccctgaagc ctgagtgaga cacatgaaga aaactgtgtt tcatttaaag 1200
atgttaatta aatgattgaa acttgaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaana 1260
anaaaaaa 1268

<210> 382
<211> 854
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (794)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (807)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (835)
<223> n equals a,t,g, or c

<400> 382
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gggtcctaat gactatgtct tcagtcatct tccactccac tctcagcaac aagtgcgagc 120
ccctatcccc atggtgcccg ttggtgggat ccagatggtt cactccatgc cgccagccct 180
ttccagttta catccttcac ccacattgcc cctgccaatg gagggctttg aggagaagaa 240
aggcgcgtca ggggagtcct tctccaagga cccctatgtg ctttctaagc agcatgagaa 300
gcgaggtcct cacgctttgc agtcatctgg tccrcctagc actccctcct ctcctcggct 360
gttgatgaaa cagagcactt cggaagacag cctaaacgca acagagcggg aacaggagga 420
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tctgctcggg ccagatcagc cagcgcgggt gcaggagccc caccagaacc ccctgggaag 540
tgcacatgtt agcattagac actttagtag acctgagcca ggtcagccct gtacctcagc 600
cacccaccct gacttgcatg atggtgaaaa ggacaatttt ggtacatcac agactccatt 660
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gcagcaaggg aattttcttt caagcacagr gggaaagcaa agatccttcc ttcaggaaaa 780
gagtycagct tacnttggtc ttttggntgg ctggggngat tttccttttc ccacnttttt 840
ccccttttt tttg 854

<210> 383
<211> 1091
<212> DNA
<213> Homo sapiens

<400> 383
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gtattatgtt tctttttccc tattctaact cagcattatt ggtgcttctt atatgacttc 120
cctctcattt tatcagatgt gatgactgaa gcccaccaca aatatgacca ctctgaggct 180
acaggatcct caagctggga tatccaaaat tctttcagaa gagagaagct ggaacaaaaa 240
tccccagatt cgaagacact acaggaagat tcacctggag tgagacaaag ggtctatgag 300
tgccaggagt gtggaaaatc cttccggcaa aaaggtagtc taacgttaca tgagagaatc 360
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aatcttgtta cacatcaacg gatacacacg ggagagaagc cttatcagtg caaggagtgt 480
gggaaaagct tcagtcaacg aggtagtctc gctgtccacg agagactcca cactggacag 540
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cacaggagag ttcacagtgg tgagaagccc tatagatgtg atcagtgtgg aaaagccttc 660
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tgtacccagt gcaggaagag tttccacacc agggggaatt gtattctgca tggcaaaatc 780
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aaaaaaaaaa a 1091

<210> 384
<211> 1029
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1014)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1015)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1026)
<223> n equals a,t,g, or c

<400> 384
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agggtccggt cttcggtttg cacagctaga ggccgcgcac agcaaaggat gagcggaacc 120
ttggaaaagg tgctgtgcct gaggaacaat accattttta agcaagcctt ttctctctta 180
aggtttagaa cttcaggaga gaagcccatc tattctgtag gtggaattct actaagtatc 240
agtcggccct acaagacaaa gcccacccac ggcattggaa agtacaagca cttaattaaa 300
gcagaagagc ccaagaagaa gaagggaaaa gtggaagtga gagccattaa tttggggaca 360
gattatgaat atggggtttt aaatattcat ctgactgcat atgatatgac cctggcagag 420
agttatgccc agtatgttca caacctctgc aactctctct ccattaaagt cgaggaaagt 480
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ctgtacttgc catttcttac cacttaccta tgaggtaatg cttgttatct tccatctaat 960
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aaaaanaag 1029

<210> 385

<211> 583
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

<400> 385
ccccgggtcg acccacgcgt ccgcccacgc gtccgcrcgg ccgactcgca agatggcgcc 60
gcagaaagac aggaagccca agaggtcaac ctggaggttt aatttggacc ttactcatcc 120
agtagaagat ggaatttttg attctggaaa ttttgagcaa tttctacggg agaaggttaa 180
agtcaatggc aaaactggaa atctcgggaa tgttgttcac attgaacgct tcaagaataa 240
aatcacagtt gtttctgaga aacagttctc taaaaggtat ttgaaatacc ttaccaagaa 300
ataccttaag aagaacaatc ttcgtgattg gcttcgagtg gttgcatctg acaaggagac 360
ctacgaactt cgttacttcc agattagtca agatgaagat gaatcagagt cggaggacta 420
ggcaaaggct ccccttacag ggctttgctt attaataaaa taaatgaagt atacatgaga 480
aataccaaga aattggcttt tagtttatca gtgaataaaa aatattatac tcttgaaaaa 540
aaaaaaaaaa nggcggccgt tttaaagatc cttnaggggc caa 583

<210> 386
<211> 2410
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2167)
<223> n equals a,t,g, or c

<400> 386
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cgcggagaac tatcctatcc ctgaaccagg cccaaatgag gtcttgctga ggatgcattc 120
tgttggaatc tgtggctcag atgtccacta ctgggagtat ggtcgaattg ggaattttat 180
tgtgaaaaag cccatggtgc tgggacatga agcttcggga acagtcgaaa aagtgggatc 240
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aaatgatgaa ttctgcaaga tgggccgata caatctgtca ccttccatct tcttctgtgc 360
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caacacgtgg ccagtggcga tttcgatgct tgcgtccaag tctgtgaatg taaaacccct 960
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<210> 387
<211> 689
<212> DNA
<213> Homo sapiens

<400> 387
agtaggcaga gtttacaaag gtctaggatg acatctggtg tattgactgt ggccagtctt 60
aaagctagtt tttgctatgt ggaacatgct gctctaattc agatttaaag agtttcttcc 120
tgttaattcg aagctcactg tgcctcttgt ttccgaggga agaaggactg attaagtcat 180
ctaaatggat gcaatactga attacaggtc agaagatact gaagattact acacattact 240
gggatgtgat gaactatctt cggttgaaca aatcctggca gaatttaaag tcagagctct 300
ggaatgtcac ccagacaagc atcctgaaaa ccccaaagct gtggagactt ttcagaaact 360
gcagaaggca aaggagattc tgaccaatga agagagtcga gcccgctatg accactggcg 420
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ggtgggtttc tcgctgggtg cgacgtgaat ttgtgaagct caggatgccc atggattaga 540
ctcatgtagt agcttaaaga gtcattaggc gataggaggg agaaaaccaa gaagttagca 600
gagtctggat ataattcagt gtccgtaaat cccatgaaga gaagctcatc agaataaagg 660
caatgaattt gtgcyaaaaa aaaaaaaaa 689

<210> 388
<211> 798
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 388
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gctcctgccg ctcccgctgc cgcgcctcct gcggagaagg cccctgtaaa gaagaaggcg 120
gccaaaaagg ctgggggtac gcctcgtaag gcktccggtc ccccggtgtc agagctcatc 180
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agagcctggt gagcaagggc actctggtgc aaacgaaagg caccggtgct tctggctcct 360
ttaaactcaa caagaaggca gcctccgggg aagccaagcc caaggttaaa aaggcgggcg 420
gaaccaaacc taagaagcca gttggggcag ccaagaagcc caagaaggcg gctggcggcg 480
caactccgaa gaagagcgct aagaaaacac cgaagaaagc gaagaagccg ccgcggccac 540
tgtaaccaag aaagtggcta agagcccaaa gaaggccaag gttgcgaagc ccaagaaagc 600
tgccaaaagt gctgctaagg ctgtgaagcc caaggccgct aagcccaagg ttgtcaagcc 660
taagaagcgg cgcccaagaa gaaatagcga acgcctactt ctaaaaccca aaargctctt 720
ttcagagcca ccactgatct caataaaaga gctggataat ttctttaaaa aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaa 798

<210> 389
<211> 1691
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1630)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1636)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1651)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1664)
<223> n equals a,t,g, or c

<400> 389
atttgggcct tatatgtcaa gccctttggt ttccgtctta ttttaggggt tgttatgggg 60
scctgggtgg tcggcctcac atgggaaggg gatgggtagt ggatggggtt tctgttgtat 120
cttgtgggcg ggtaattttg cttttgtttt tgttcacatt cttccccctc cacaagccaa 180
agtcgtttca tttggtttcc actgtgtgga ctgtgctgga gcttggcgcc tgccagaaaa 240
atttggggct aggcaagccc caggttgcag acatggtgaa gcagagaaac tgttcttctg 300
gttcctgcac aacctcagag gggcaaaaac cctccccagg aaggaggagg gtgttcagga 360
gccagacttt tggagagaag gcagctccca gcctgctggg tgaccgccat tctgcgtgtg 420
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ccagccaccc cctctggctg ctggcaatgc cacaggtgcc caagaagatg gaggatccct 600
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gaataaagtt ccctgtaggt cctctgtcac ctttgggttg tgtttttcaa ttgttgacat 720
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agtggatttc cacacgtgcc tttgatttcg gacagattgg gcctcacagc caccgattca 840
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ttttctcatt tttaaacagc acatatttat taagagaaaa aaagtaattt atgactattt 1440
aaaataaaat ttaaaagtag agtgactgtc aggtaaagaa ccttcaatgt agctatcttc 1500
caaggggaa gggcctgcag cctccgctcc tcaaatgtct gcactgaacc agttccagtc 1560
actaattgcg ccaancaagg ccaggaagga attcaaaaca tgttctggcc aagcacaaga 1620
acatccccan tgggantgga acacaatgct ncccaaaaac ctgnctttcc tggccttccc 1680
caacaactgg g 1691

<210> 390
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 390
gcgacggcgc tggcttgccc ggctgggaga gggcgtaagc aaaatgatgc ttcaacaccc 60
aggccaggtc tctgcctcgg aagtgagtgc ttctgccatc gtcccctgcc tgtcccctcc 120
tgggtcactg gtgtttgagg attttgctaa cctgacgccc tttgtcaagg aagagctgag 180
gtttgccatc cagaacaagc acctctgcca ccggatgtcc tctgcgctgg aatcagtcac 240
tgtcagcgac agacccctcg gggtgtccat cacaaaagcc gaggtagccc ctgaagaaga 300
tgaaaggaaa aagaggcgac gagaaagaaa taagattgca gctgcaaagt gccgaaacaa 360
gaagaaggag aagacggatg cctgcagaaa gtgagtgcct tctaacctta cccttctctc 420
gctangcctg tctttaccaa cttnatgtgg ntat 454

<210> 391
<211> 807
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (735)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (805)
<223> n equals a,t,g, or c

<400> 391
caagctctaa tacgactcac tatagggaaa gctggtacgc ctgcaggtac cggtccggaa 60
ttcccgggtc gacccacgcg tccgggcgga aaaccgaagt tggaagtgtc tcttagcagc 120
gcgcggagaa gaacggggag ccagcatcat ggcagaacag gatgtggaaa acgatctttt 180
ggattacgat gaagaggaag agccccaggc tcctcaagag agcacaccag ctccccctaa 240
gaaagacatc aagggatcct acgtttccat ccacagctct ggcttccggg actttctgct 300
gaagccggag ctcctgcggg ccatcgtgga ctgtggcttt gagcatcctt ctgaggtcca 360
gcatgagtgc attccccagg ccatcctggg catggacgtc ctgtgccagg ccaagtccgg 420
gatgggcaag acagcggtct tcgtgctggc caccctacag cagattgagc ctgtcaacgg 480
acaggtgacg gtcctggtca tgtgccacac gagggagctg gccttcnaga tcagcaagga 540

atatgagcgc ttttccaagt acatgcccag cgtcaaggtg rgtcyntcgg ccagactgga 600
ccaggcgcca cttggkttct gmagctttgk tagcctcggc tctggcccar ccagcattta 660
ccaagcttgg caagggcagc tgcctttgaa ggtttgcagt ggtttttgct ccttaaaagc 720
ctgattgaat tatgncatgg ctcccagggg cctgcgccag ttcccagcct ggggctgcct 780
ttgaaatggg aaccccggga aggcnct 807

<210> 392
<211> 927
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (916)
<223> n equals a,t,g, or c

<400> 392
ctgcagcggg agctggatga ggccacggag agcaacgakg ccatgggcgc gaggtgaacg 60
cactcaagag caagctcagg cgaggaaacg agacctcttt cgttccttct agaaggtctg 120
gaggacgtag agttattgaa aatgcagatg gttctgagga ggaaacggac actcgagacg 180
cagacttcaa tggaaccaag gccagtgaat aagcaacttt ctacagtttt gcaccacggc 240
aagaaaacca aaaaccaaaa caaacaaaca aaaaaaaccc aacaacaacc cagaacaaag 300
caaaacccag cagactgtac ttagcattgt ctaaatccat tctcaaattc caaatatcac 360
agacacccct cmcacaggaa acttcgcagt gatgcaccag gcgaggaaac gagacctctt 420
tcgttccttc tagaaggtct ggaggacgta gaagttattg aaaatgcaga tggttctgag 480
gaggaaacgg acactcgaga cgcagacttc aatggaacca aggccagtga ataagcaact 540
ttctacagtt ttgcaccacg gcaagaaaac caaaaaccaa aacaaacaaa caaaaaaaac 600
ccaacaacaa cccagaacaa agcaaaaccc agcagactgt acttagcatt gtctaaatcc 660
attctcaaat tccaaatatc acagacaccc ctcacacaag gaatataaaa accaccaccc 720
tccagcctgg gcaacgtagt aaaaacctca tctatacaag attttaaaaa taagctgggc 780
gtggtggtac acacctgtgg tcccagctac tagggaggct gagccaggaa gaacgstyca 840
gcccaggayt tcgrggctgc aatgagctat aattgcatca ttgcactcca gcctgggcaa 900
cagagaccct gttttnaacc accacca 927

<210> 393
<211> 1023
<212> DNA
<213> Homo sapiens

<400> 393
ggcacgagcc accacgaggc caccagggtg actgcgggat tccgatctgc gccggagctg 60
cgatgctaga gcactcttgc caccccccacc ccacggacgt gttgcagtga tatcagaatt 120
ttgcgtgcgg tttacccgtg tttaacctct ttgcgtctcg cttctgaatc gtatccactt 180
gagcatcact agactgatct attttaacac tggtgggggg cagcgaggac atggttttaa 240
actttaaaat gaaaatgtga aactaggaat gttgctgtga gacccccttgg acaaacagat 300
ttttgcactg gggatagaac ttgagcaatt tctgtcttgg cctcgccact gacgtccctt 360
ctttcctgtg gggacaggat ggacagattc ctggtgaaag gggctcaagg gggccttttg 420
aggaagcagg aggagcaaga gccaactgga gaagagccag ctgtgttggg aggagacaaa 480
gaaagcacaa ggaagaggcy caggagagag gccccaggga atggaggcca ctcagcaggc 540
cctagctggc ggcacattcg ggctgagggc ctggactgca gttacacagt cctgtttggc 600
aaagctgagg cagatgagat tttccaagag ttggagaaag aagtagaata ttttacaggt 660

ataaagatgg ctgtgaccac atcggggagc accgagatga tgaaagagaa ctggcccctg 720
ggagccccat tgcctctgtc tccttcggtg cctgcagaga ctttgtcttc cggcataagg 780
attcccgtgg gaaaagcccc tccaggaggg tggcggtggt caggctgccg ctggcccacg 840
ggagcttact aatgatgaac cacccgacca acacgcactg gtaccacagt cttcccgtga 900
gaaagaaggt tctggctcca cgggtgaatc tgacttttcg taaaattttg cttactaaaa 960
aataaaaaca tttttaacag ttaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaa 1023

<210> 394
<211> 822
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (788)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (813)
<223> n equals a,t,g, or c

<400> 394
aaaaatttta aacaaagaaa ggaaaaaaat tgacaataaa agtcactctt ctaattgaat 60
atttttatat ttttatgaaa caaaagagca tttcttcagg tttctattgt atttttttta 120
acattcttgc agagaaagca agatccaaat tgattttggg atattaaaag ttaacagaac 180
actgaacaag gaaagaatgg catagatcta tctttacagt ctggagttaa ttcctgttaa 240
ctcattttat ccattcctta cataatcttc tttcctgtta gtccagtttg atggtgtgaa 300
tggtgaattt caggcccagt tgctaaattt tgtggcatct tcctctagtc cttcccacct 360
ccagtcatca gccccactct gtcttggaga caggcaggag gtgggggaag agctgaatct 420
ctttattttc cctggtagag acatcttcaa ggcatgaaat agcttaaaga gcagagtaga 480
aatggaagag gctttgcaaa aggctagata actaacaaca cctgggttgg ggcggcggcc 540
tcttctcttn cagctccctt agcttggctc cgtaagtgga tcacttgcca aatgctttag 600
atgattgcct ctcaataatt gaaaggtggt ggtagttgta ttctaaatga tgtagaaggt 660
taaaaataat tacattatgc ttctattcta tcatctaaaa cmaatcatta aaactaattt 720
ctagctaaat kgttaattat aattatgctc agaatctatt aatgagctct gctggcttac 780
gactgcgngt taagagaaat ctttacaaga ccnaggcctg aa 822

<210> 395
<211> 1702
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (1694)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1696)
<223> n equals a,t,g, or c

<400> 395
gcttcttttg tttctgatta tgttttctgc agagagacac gggctcaagg aacccaagag 60
agtggaagaa ctgcaaaaca agattgtaaa ttgtctcaaa gaccacgtga ctttcaacaa 120
tgggggggttg aaccgcccca attatttgts caaactgttg gggaagctcc cagaacttcg 180
taccctttgc acacaggggc tacagcgcat tttctacctg aaattggaag acttggtgcc 240
accgccagca ataattgaca aacttttcct ggacacttta cctttctaag acctcctccc 300
aagcacttca aaggaactgg aatgataatg gaaactgtca agaggggggca agtcacatgg 360
gcagagatag ccgtgtgagc agtctcagct caagctgccc cccatttctg taaccctcct 420
agccccccttg atccctaaag aaaacaamca aacaaacaaa aactgttgct atttcctaac 480
ctgcaggcag aacctgaaag ggcattttgg ctccggggca tcctggattt agaacatgga 540
ctacacacaa tacagtggta taaacttttt attctcagtt taaaaatcag tttgttgttc 600
agaagaaaga ttgctataak gtataatggg aaatgtttgg ccatgcttgg ttgttgcagt 660
tcagacaaat gtaacacaca cacacataca cacacacaca cacacacaga gacacatctt 720
aaggggaccc acaagtattg cccyttaaca agacttcaaa gttttctgct gtaaagaaag 780
ctgtaatata tagtaaaact aaatgttgcg tgggtggcat gagttgaaga aggcaaaggc 840
ttgtaaattt acccaatgca gtttggcttt ttaaattatt ttgtgcctat ttatgaataa 900
atattacaaa ttctaaaaga taagtgtgtt tgcaaaaaaa araaaawaaa tacataaaaa 960
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tgtatgacag ttagagatgc tgatttttt tctgataaat tctttctttg agaaagacaa 1560
ttttaatgtt tacaacaata aaccatgtaa atgaaaaaaa aaaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaaaaag gggngnccgt tt 1702

<210> 396
<211> 858
<212> DNA
<213> Homo sapiens

<400> 396
cttgggcctc tgacatgact tatgtgtgtg tgtgtttttg gggtggggag ggagggagag 60
aagagggggc taaatttgat gctttaactg atctccaaca gttgacaggt catccttgcc 120
agttgtataa ctgaaaaagg acttttctac caggtatgac cttttaagtg aaaatctgaa 180
ttgttctaaa tggaaagaaa aaaagttgca atctgtgccc ttcattgggg acattcctct 240
aggactggtt tggggacggg tgggaatgac ccctaggcaa ggggatgaga ccgcaggagg 300
aaatggcggg gaggaggcat tcttgaactg ctgaggatgg ggggtgtccc ctcagcggag 360

gccaagggag gggagcagcc tagttggtct tggagagatg gggaaggctt tcagctgatt 420
tgcagaagtt gcccatgtgg gccccagcca tcagggctgg ccgtggacgt gcccctgccc 480
actcacctgc ccgcctgccc gcccgcccgc atagcacttg cagacctgcc tgaacgcaca 540
tgacatagca cttgccgatc tgcgtgtgtc cagaaggtgc ccttggccga gcgccgaact 600
cgctcgccct ctagatgtcc aagtgccacg tgaactatgc aatttaaagg gttgacccac 660
actagacgaa actggactcg tacgactctt tttatatttt ttatacttga aatgaaatcc 720
tttgcttctt ttttaagcga atgattgctt ttaatgtttg cactgattta gttgcatgat 780
tagtcagaaa ctgccatttg aaaaaaagtt atttttatag cagcaaaaaa aaaaaaaaaa 840
rakcaaaggw tttcattt 858

<210> 397
<211> 1110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (996)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1106)
<223> n equals a,t,g, or c

<400> 397
cggctgggct gcggaaacgc ggccggtccg gttccgcggc ccaggcagag ggactctgca 60
agcaatggct gcagcgcgcc tggcaagagc ggcgcctgct gctgcgggag ccgcgctaca 120
cgctgctggt ggccgcctgc ctctgcctgg cggaggtggg catcaccttc tgggtcattc 180
acagggtggc atacacagag attgactgga aggcctacat ggccnaggta gaaggcgtca 240
tcaatggtac ctatgactat acccaactgc agggtgacac cggaccactt gtgtacccag 300
ctggtttcgt gtacatcttt atggggttgt actatgccac cagccgaggc actgacatcc 360
gcatggccca gaacatcttt gctgtgctct acctggctac cttgctgctt gtcttcttga 420
tctatcacca gacctgcaag taacctccct tcgtcttttt cttcatgtgc tgcgcctctt 480
accgtgtcca ctccatcttt gtgctgcggc tcttcaatga cccagtggcc atggtgctgc 540
tcttcctcag tatcaacctc ctgctggccc agcgctgggg ctggggttgc tgcttttca 600
gcctggcagt ctctgtgaag atgaatgtgc tgctcttcgc ccctgggtta ctgtttcttc 660
tcctcacaca gtttggcttc cgtggggccc tccccaagct gggaatctgt gctggccttc 720
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ttgaccttgg ccgccagttt ctgttccact ggacagtgaa ctggcgcttc ctcccagagg 840
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tgctgtttgc cctctgcagg tggcacagga caggggaaag tatcttgtcg ctgctgaggg 960
atccctccaa aaggaaggtt ccaccccagc cccttnacac ccaaccagat cgtttytaac 1020
ccttttcaac tccaatttca ttgggsatct ggtttcagsc gkttccttcc attaacagtt 1080
tttaaggttt gggtattttn caaaanattg 1110

<210> 398
<211> 864
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (823)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (830)
<223> n equals a,t,g, or c

<400> 398
gcggcacgtg gcgcgggtgc ggggcgtgga gtggcgtggc gtggagtggc gtggcgtggc 60
ggggtctcgc ggcgcgggcg cgcacccgga gctgtggacg gagagtgcct ccctctggcc 120
tcagtttcct catgttgtag tagcggacat ggcccggacc ggccsccgag accgccccgt 180
gcaacctcac cgccagcctg ggggcctcag cgactgggac gggaccaagg ggctcgggga 240
ttctccctgc ccccggccct ggtgcgtgac tgaccctcct gttcccagag cccccagcgc 300
argccgggat gttcgtcctg gtggaaatgg tggacaccgt ccggatcccc ccttggcagt 360
ttgagaggaa gctcaacgac tccattgccg aggagctgaa caagaagttg gccaacaagg 420
tcgtgtacaa cgtgggactc tgcatttgtc tgtttgatat caccaaactg gaggatgcct 480
atgtattccc tggggatggc gcatcacaca ccaaagtcca ttttcgctgc gtggtgtttc 540
atccattcct agatgagatt ctcattggga agatcaaagg ctgcagccca gaaggagtgc 600
acgtctctct aggcttcttc gatgacattc tcatcccccc agagtcactg cagcagccag 660
ccaagttcga cgaagcggag caggtgtggg tgtgggagta cgagacggag gaaggagcac 720
acgacctcta catggacacc ggcgaggaga tccgcttccg ggtggtggac gagagctttg 780
ttgacacgtc ccccacargg cccagytcag cagatgccac cantttccan tgargagctg 840
ccaaagaagg aggctccgtt acac 864

<210> 399
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<400> 399
tggattttta taaggccaga catttacctc tggtaatctc ttgagccatg tgtttcattt 60
ttatgctcac agaataattt ggtgtaatgg ggcttatyaa cccaaatttc agaactttaa 120
attcatgtat ctttttctac actgatgact atactcaaag catcttactt taattatata 180
aatgtatata ctgtctttct caactggggt ttcaagagag aattaagccc aaaataaaat 240
aatttgtgtg ngcttatttt ctncattttt c 271

<210> 400
<211> 925
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (844)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (900)
<223> n equals a,t,g, or c

<400> 400
ctcgtgccga attcggcacg agcasgagcg cgtgctcagt gtgctgggta cagncgactc 60
cgggacaggg ggtctcggcc gtcggcgtca tggtttcgcg cgtgcagctc ccgcctgaga 120
tccagctggc tcagcgcctg gcggggaatg agcaggtgac ccgggaccgg gcggtgagga 180
agctccggaa atacatcgtc gccaggactc agcgggccgc agtggtttta cgcacgacga 240
gctgctgaag gtgtggaaag gactgtttta ttgcatgtgg atgcaggaca agccactcct 300
ccaggaagaa ttaggaagga ctatttccca gctcgttcat gcttttcaga ccacggaggc 360
gcanacctgt tccttcaggc cttctggcag accatgaatc gcgagtggac gggcattgac 420
aggctgcgct ggataaattc tacatgctca tgcggatggt cctgaacgag tccttgaagg 480
ytctgaagat gcaaggctgg gaagaaagac agatcgagga gctgctagag ctgctgatga 540
ctgaratcct gcaccccagc agccaggccc ccaacggtgt gaagagccac ttcatcgaga 600
tcttcctgga ggagctgacc aaagtgggcg ccgangsagc ttacggcaga ccagaacctg 660
gaagttcatc gaccccttct gcagaatcgc tgcccggacc aaggattcct tggttttgaa 720

caacatcact cgaggcatct ttgagacgat tgtggagcag gccccgcttg ccattgaaga 780
cctcctgaat gaactggaca cacaggatga ggaggtggcg tcggacagtg atgagtcctc 840
tganggcggt gaacgttgag acgcgctgtc ccagaagagg tctgagaagc cgcccgcagn 900
ttccatctgc agggctgaac ctgag 925

<210> 401
<211> 1085
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (774)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1080)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1085)
<223> n equals a,t,g, or c

<400> 401
cggacgcgtg ggtgctgggg ctgcagmgct gcctccgaga ccgcgaggtg ggtggagcgg 60
gtcttcctgg aagggtgcga taaggccggg cgaggtgcct gggatgcttc tccccttccg 120
cgaggaagag atctaattgg gtagggcggg tgtagactag cctgccgagc cgcccgctgg 180
cacctgcagc ctcctgggcg cccgccgggc cccggcgaga aagttgttaa agggagcgag 240
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ccgtggggtc tggagacgca gtttcctgtt aatgacaata aatccctgct ccccctgcct 360
cagacatcta cgcagcgaaa tcgagcctgg ccttgagggt ccacaccgcg agggaagatg 420
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gtcgcaggag ctggtgcagc cagtgtcatg tccgccctga ctgacaaggc catcgtgaag 600
aaggaattgc tgtatgatgt ggccgggagt gacaagtacc aggtcaacaa caaacatgat 660
gacaagtact cgccgctgcc ctgcagcaaa atcatccagc gggcggagga gctggtgggg 720
caggaggtgc tctacaagct gaccagtgag aactgcgagc actttgtgaa tganctgcgc 780
tatggagtcg cccgcagtga ccaggtcaga gatgtcatca tcgctgcaag cgttgcagga 840
atgggcttgg cagccatgag ccttattgga gtcatgttct caagaaacaa gcgacaaaag 900
caataactga aaaagactgt cctgtcagcg atgactttat acatcaaggg ggtcttgttt 960
tgctagagag tttggggttt ggtttgtgga tttcattgtg atttataata aggcttattt 1020
tcacagaata aaataaagca aaacgaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan 1080
ggggn 1085

<210> 402
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<400> 402
ctttccccaa ccccckggsc cgggggggttt gggcccgggg gcccccgggc ctttccttta 60
aaggnaaaac ccttwaaggg tttggggaaa ttcccccccc cccgggggggg gccctttgcc 120
caaaggggaa aaattttccg ggggccaanc cggaaaggcc ccaaaaaagg ttcccccccgg 180
ggaaggaatc cccggttgga attgttaaaa ccaaaagggg aattttgaag gccggaaatt 240
cgggttgccc cccaacttcc cccaacattc ccgggggggac ttgggggctg gaacgatgcc 300
ttgggagnct tcggcaagct tcgcaaggct ggttggtcag ctngcgca 348

<210> 403
<211> 1470
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<400> 403
tggngctcca ccgcggtgac gaccgctcta gaactagtgg atcccccggg ctgcaggaat 60
tcggcagagg cagwgccggc gtgggcggcc ggccgaggcg gaggcgcagg aaggggggckg 120
cgagtcgtgc gaggctgccc ttctcactca gcattatgga tccaagcctg ttgagagaaa 180
gggagctgtt caaaaaacga gctctttcta ctcctgtagt agaaaaacgt tcagcatctt 240
ctgagtcatc atcatcatcg tcaaagaaga agaaaacaaa ggtagaacat ggaggatcgt 300
caggctctaa acaaaattct gatcatagca atggatcatt taacttgaaa gctttgtcag 360
gaagctctgg atataagttt ggtgttcttg ctaagattgt gaattacatg aagacacggc 420
atcagcgagg agatacgcat cctctaacct tagatgaaat tttggatgaa acacaacatt 480
tagatattgg actcaagcag aaacaatggc taatgactga ggctttagtc aacaatccca 540
aaattgaagt aatagatggg aagtatgctt tcaagcccaa gtacaacgtg agagataaga 600
aggccctact taggctctta gatcagcatg accagcgagg attaggagga attcttttag 660
aagacataga agaagcactg cccaattccc agaaagctgt caaggctttg ggggaccaga 720

tactatttgt aaatcgtccc gataagaaga aaatactttt cttcaatgat aagagctgtc 780
agttttctgt ggatgaagaa tttcagaaac tgtggaggag tgtcactgta gattccatgg 840
acgaggagaa aattgaagaa tatctgaagc gacagggtat ttcttccatg caggaatctg 900
gaccaaagaa agtggcccct attcagagaa ggaaaaagcc tgcttcacag aaaaagcgac 960
gctttaagac tcataacgaa cacttggctg gagtgctgaa ggattactct gacattactt 1020
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tcttgctgat gctcggggtc tgaagactgt cttcctatct gcttcttgcg gctgaggaga 1140
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cgctgagcgt ggcatgcagg tgtctttgct gtgtttttct ccacttctaa atggttcctg 1320
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aaaaaaaaaa aaaaaaaaaa aggggagggg 1470

<210> 404
<211> 2487
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 404
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ttcccgagct ccggcgtngt cccggccacg ctcgacgctg ctgcaggaac aaaggaagac 120
cccgcggcgg cgcggcgcca cctccgcctg ctgctccgac ccgctcccgg cccgcggcgg 180
cggcaccagg gcgcccggct cagccttccc ggaggcctcg gcccggcctc atcgtgccgg 240
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gagactaacc agaccccggg gcccatgctg tgtagcacag gatgtggctt ttatggaaat 360
cctaggacaa atggaatgtg ttcagtttgc tacaaagaac atcttcagag gcagcaaaat 420
agtggcagaa tgagcccaat ggggacagct agtggttcca acagtcctac ctcagattct 480
gcatctgtac agagagcaga cactagctta aacaactgtg aaggtgctgc tggcagcaca 540
tctgaaaaat caagaaatgt gcctgtggct gccttgcctg taactcagca aatgacagaa 600
atgagcattt caagagagga caaaataact accccgaaaa cagaggtgtc agagccagtt 660
gtcactcagc ccagtccatc agtttctcag cccagtactt ctcagagtga agaaaaagct 720
cctgaattgc ccaaaccaaa gaaaaacaga tgtttcatgt gcagaaagaa agttggtctt 780
acagggtttg actgccgatg tggaaatttg ttttgtggac ttcaccgtta ctctgacaag 840
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gttgttgtgg ctgaaaaaat tcagagaata taaattactt cttgtgaaga gactgaaact 960
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gaccttcttt cccgtgaaac cagtatttgg cgccatatat aagcctggtt aaattggtca 1500
tctaaagctg tcaaataaga cattctgtga aaggtaaaca tcgaaactgg ttataagtaa 1560

aaccatcaag ccaacaacag ggtcttgaga taacctttga agcttattgt actggcctgc 1620
accagaagat gtctgcatta ctcattgcta aaaatgtgta gcacagaact gcactaggat 1680
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catatttatg tattgcacat aatcatgcta ttcagcattg atgctatatt gtattatgta 2400
aataataaaa gccatgtaca gagggaaaaa aaaaaaaaaa aaaaaaaaac tcgagactag 2460
ttctctctct ctctctctcc tcgtgcc 2487

<210> 405
<211> 1256
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1180)
<223> n equals a,t,g, or c

<400> 405
ggcctcctgc ctgtagtgtg tgggctgggg ttggtgcgag cttccagctt ggccgcagtt 60
ggttcgtagt tcggctctgg ggtcttttgt gtccgggtct ggcttggctt tgtgtccgcg 120
agtttttgtt ccgctccgca gcgctcttcc cgggcaggag ccgtgaggct cggaggcggc 180
agcgcggtcc ccggccagga gcaagcgcgc cggcgtgagc ggcggcggca aaggctgtgg 240
ggaggggggct tcgcagatcc ccgagatgcc ggagttcctg gaagaccccct cggtcctgac 300
aaaagacaag ttgaagagtg agttggtcgc caacaatgtg acgctgccgg ccggggagca 360
gcgcaaagac gtgtacgtcc agctctacct gcagcacytc acggctcgca accggccgcc 420
gctccccgcc ggcaccaaca gcaaggggcc cccggacttc tccagtgacg aagagcgcga 480
gcccaccccg gtcytcggct ctggggccgc cgccgcgggc cggagccgag caccgtcggc 540
aggaaagcca caaaaaaaac tgataaaccc agacaagaag ataaagatga tctagatgta 600
acagagctca ctaatgaaga tcttttggat cagcttgtga aatacggagt gaatcctggt 660
cctattgtgg gaacaaccag gaagctatat gagaaaaagc ttttgaaact gagggaacaa 720
ggaacagaat caagatcttc tactcctctg ccaacaattt cttcttcagc agaaaataca 780
aggcagaatg gaagtaatga ttctgacaga tacagtgaca atgaagaagg aaagaagaaa 840
gaacacaaga aagtgaagtc cactagggat attgttcctt tttctgaact tgggaactac 900
tccctctggt ggtgggattt tttcagggta tttcttttcc tgaaatctcc acccgtcctc 960
ctttgggcag taccgaacta caggcagcta agaaagtaca tacttctaag ggrgacctac 1020
ctagggagcc tcttgttgcc acaaacttgc ctggcagggg acagttgcag aagttagcct 1080
ctgaaaggaa tttgtttatt tcatgcaagt ctagccatga taggtgttta gaggaaaagt 1140
tcttcgtcat cttctcagcc tggaacacag tgccatgttn gtgtctactg cagcttttcc 1200
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<210> 406

<211> 771
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<400> 406
gttcttctaa atcaggaatg gattgaaatc taatgaaccg aaactttggg tacttcggcc 60
ttcaaggggc tcctttattg agaatcaatg tcttctccta ggtaattgat caccctagac 120
ccagggacac ccaattcatc gtaatcatca tgaataatca aaaagtggta gctgtgctac 180
tgcaagagtg caagcaagtn ctggntcagc tcttgttgga agcgccagat gtgtcggaag 240
aggacaagag cgaggaccag cgctgcagag ctttactccc cagcgagtta aggaccctga 300
tccaggaggc aaaggaaatg aagtggccct tcgtgcctga aaagtggcag tacaaacaag 360
ccgtgggccc agaggacaaa acaaacctka aggatgtgat tggcgccggg ttgcagcagt 420
tactggcgtc cctgagggcc tccatcctcg ctcgggactg tgcggctgcg gcggctattg 480
tgttcttggt ggaccggttc ctgtatgggs tcgacgtctc tggaaaactt ctgcaggtcg 540
ccaaaggtct ccacaagttg cagccagcca cgccaattgc cccgcaggtg gttattcgcc 600
aagcccgaat ctccgtgaay tcaggaaaac ttttaaaagc agagtatatt ctgagcagtc 660
taataagcaa caatggagca acgggtacct ggctgtacag aaatgaaagt gacaaggtcc 720
tggtgcagtc ggtctgtata cagatcagag ggcagattct gcaaaagctg g 771

<210> 407
<211> 2643
<212> DNA
<213> Homo sapiens

<400> 407
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aaggacatga gaaaggcgtg aattgcattg attactacag tggtggggac aagccatacc 120
tcatttcagg tgcagatgac cgtcttgtta aaatatggga ttatcagaat aaaacatgtg 180
tgcagacact ggaaggacat gcccaaaatg tgtcttgtgc cagctttcat cctgagttgc 240
caatcattat cacaggttca gaagatggaa cagtacgtat ttggcattca agcacctacc 300
ggcttgagag cacactgaat tatggaatgg agagggtatg gtgcgtggcc agtctaagag 360
ggtcaaacaa tgtcgctttg ggctatgatg aagggagcat cattgttaag cttggtcggg 420
aggaacctgc catgtccatg gatgccaatg gaaagataat ttgggccaag cattcagaag 480
tccagcaggc caacctaaaa gcaatgggag atgctgaaat taaagatggt gaaagattgc 540
cactggcagt aaaggatatg ggcagttgtg aaatataccc tcagactatt cagcacaatc 600
ctaatgggcg gtttgtggtg gtgtgtggtg atggggagta tatcatctac acagcaatgg 660
cattgagaaa caagagcttt ggatctgctc aggagtttgc atgggcccac gattcttcag 720
agtatgcaat aagagagagc aacagcattg taaagatatt taagaacttt aaggaaaaaa 780
aatcatttaa accagatttt ggagcagaaa gtatctacgg cggcttctta ttgggagtca 840
gatctgtaaa tggcttagcc ttctatgact gggacaatac agaactcata cgaagaattg 900
aaattcagcc caaacatatt ttctggtctg actctggaga gctagtctgt attgctactg 960

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cacacttttt ggaaaagcag ggcttcaagc agcaagctct tacagtatcc acagatcctg 1440
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agaaagcagc agaatccctt gctgacccaa cagagtatga aaacctgttc cctggattaa 1920
aagaagcctt tgttgttgaa gaatgggtga aggaaacaca tgctgatctg tggccagcca 1980
aacaataccc acttgtcacg ccaaatgaag agagaaatgt catggaagag ggaaaagact 2040
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cggttattgt ggcctcccac acagccaaca aagaagaaaa gagtttactc gaactagaag 2160
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gatttttttc atactattag accatatctc ataaaacctt ttgaattaat gaaggtactt 2520
gtttcctttc tcaataatga aaataggctt ctagttttag aaggctgagc cgaaactaca 2580
ccttgcctag ggatcagccc cactgtcttt tctttgtata actwaatctg cattttcaaa 2640
tgt 2643

<210> 408
<211> 1646
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<400> 408
caacactgtg gttatgaagg tggcagagca gacccccctc tctgccctgt atttngcctc 60
cctcatcaag gaggcaggct ttccccctgg ggtggtgaac atcatcacgg ggtatggccc 120
aacagcaggt gcggccatcg cccagcacat ggatgttgac aaagttgcct tcaccggttc 180
caccgaggtg ggccacctga tccagaaagc agctggcgat tccaacctca agagagtcac 240
cctggagctg ggtggtaaga sccccagcat cgtgctggcc gatgctgaca tggagcatgc 300
cgtggagcag tgccacgaag ccctgttctt caacatgggc cagtgctgct gtgctggctc 360
ccggaccttc gtggaagaat ccatctacaa tgagtttctc gagagaaccg tggagaaagc 420
aaagcagagg aaagtgggga acccctttga gctggacacc cagcaggggc ctcaggtgga 480
caaggagcag tttgaacgag tcctaggcta catccagctt ggccagaagg agggcgcaaa 540
actcctctgt ggcggagagc gtttcgggga gcgtggtttc ttcatcaagc ctactgtctt 600

tggtggcgtg caggatgaca tgagaattgc caaagaggag atctttgggc ctgtgcagcc 660
cctgttcaag ttcaagaaga ttgaggaggt ggttgagagg gccaacaaca ccaggtatgg 720
cctggctgcg gctgtgttca cccgggatct ggacaaggcc atgtacttca cccaggcact 780
ccaggccggg accgtgtggg taaacaccta caacatcgtc acctgccaca cgccatttgg 840
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tacctatcta acccccaacc acagcccccc tggtggccca tgagttgctt ccatgaaatc 1200
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aggcaaagaa tatgcttaca tgattacacc tgtaaagtaa gcccaaacat yccaaatgtc 1560
catcaactga tgagtggatt aataaaatgt ttccatggaa aaaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaa 1646

<210> 409
<211> 876
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<400> 409
ctgcacccag gtgaaataga cagccatgtt gctcacacaa agcctgtttg ctggtctctt 60
cacactgact cgagtgaaat ttggtgccgt gactaggatc gggggacctc ccttgggaga 120
tcaatccccc gtcctcctac actttnctct gtgagaaaga tccacctaca acctcaggtc 180
ctcagaccra ccagcccaag aaacatctca ccaatttcaa atctggcacc cactggaaat 240
cagactgccc agctcgcccg acagccactc ctggagcccc taaagctcta gcccaaggct 300
ctctgactcc ttcccagatc tattcggctt agcgactgaa gattgacgct gcccgatcgc 360
ctcggaagtc ccctggacca tcacagaagc cgagcttcgg gtaactctca cagtggaggg 420
taagtccatc ccctgtttaa tcgatacggg ggctacccac tccacgttgc cttcttttca 480
agggcctgtt tcccttgccc ccataactgt tgtgggtatt gacggccaag cttcaaaacc 540
cctgaaaact cccccactct ggtgccaact tggacaacac tcttttatgc actcttttt 600
agttatcccc acctgcccac ttcccttatt aggccgaaat attttaacca aattatctgc 660
ttccctgact attcctggag tacagctaca tctcattgct gcccttcttc ccaatccaaa 720
gcctcctttg tgtcctctaa catccccaca atatcacccc ttaccacaag acctcccttc 780
agcttaatct ctcccactct aggttcccac gccgccccta atcccacttg aagcagccct 840
gagaaacatc gtccattctc tctccatacc accccc 876

<210> 410
<211> 1850
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1848)
<223> n equals a,t,g, or c

<400> 410
gcccacgcgt ccgcggacgc gtggggccat ttttgctgcc cggacgcgga gcgagaggct 60
gagagagtcg gagacactat ccgcttccat ccgtcgcgca gaccctgccg gagccgctgc 120
cgctatggat gatcgagagg atctggtgta ccaggcgaas ctggccgagc aggctgagcg 180
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cattctggat gtactggaca aacacctcat tccagcagct aacactggcg agtccaaggt 480
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<210> 411
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (518)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (648)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (660)
<223> n equals a,t,g, or c

<400> 411
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gtccggtggt tgactctgag gatctgcccc tgaaacatct cccgagaaat gctccagcag 120
agcaaaatct tgtaaagtca ttcgcaaaaa cattgttaag aagtgccttg agctcttctc 180
tgagctggca gaagacaagg agaattacaa gaaattctat gaggcattct ctaaaaatct 240
caagcttgga atccacgaag actccactaa ccgccgccgc ctgtctgagc tgctgcgcta 300
tcatacctcc cagtctggag atgagatgac atctctgtca gagtatgttt ctcgcatgaa 360
ggagacacag aagtccatct attacatcac tggtgagagc aaagagcagg tggccaactc 420
agcttttgtg garcgagtgc ggaaacgggg cttcsaagtg gtwtatatga mcgarcccat 480
tgacrartwc tgtgtgcagc arctcmagga atttgawngg aararmctgg tcycagttac 540
caaggaggtc tggarctgcc tgaggtnnag gagagaagaa gaagatggaa gagagcaagg 600
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t 661

<210> 412
<211> 1263
<212> DNA
<213> Homo sapiens

<400> 412
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tctcagttca taggctatcc catcaccctt tatttggaga aggaacgaga gaaggaaatt 180
agtgatgatg aggcagagga agagaaaggt gagaaagaag aggaagataa agatgatgaa 240
gaaaagccca agatcgaaga tgtgggttca gatgaggagg atgacagcgg taaggataag 300
aagaagaaaa ctaagaagat caaagagaaa tacattgatc aggaagaact aaacaagacc 360
aagcctattt ggaccagaaa ccctgatgac atcacccaag aggagtatgg agaattctac 420
aagagcctca ctaatgactg ggaagaccac ttggcagtca agcacttttc tgtagaaggt 480
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gag 1263

<210> 413
<211> 1337
<212> DNA
<213> Homo sapiens

<400> 413
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aggcggctcg ggagattcag ccgtgaagca agtgcagata gatggccttg tggtattaaa 180
gataatcaaa cattatcaag aagaaggaca aggaactgaa gttgttcaag gagtgctttt 240
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gttacccggg cactcctgga ctctcagttt agttaccagc atgccattga agaatctgtc 480
gttctcattt atgatcccat aaaaactgcc caaggatctc tctcactaaa ggcatacaga 540
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gaattgctca gccttgccag cagcaatcat ttggggaaga atctacagtt gctgatggac 780
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cccattcccc ccttttg 1337

<210> 414
<211> 792
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (744)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (783)
<223> n equals a,t,g, or c

<400> 414
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aagctactaa ccagagccgg ctctttctcg agattttatt ccctcaaagt tgcccccaaa 180
gttaaagcca cagctgcgcc tgcaggagca ccgccacaac ctcaggacct tgagtttacc 240
aagttaccaa atggcttggt gattgcttct ttggaaaact attctcctgt atcaagaatt 300
ggtttgttca ttaaagcagg cagtagatat gaggacttca gcaatttagg aaccacccat 360
ttgctgcgtc ttacatccag tctgacgaca aaaggagctt catctttcaa gataacccgt 420
ggaattgaag cagttggtgg caaattaagt gtgaccgcaa caagggaaaa catggcttat 480
actgtggaat gcctgcgggg tgatgttgat attctaatgg agttcctgct caatgtcacc 540
acagcaccag aatttcgtcg ttgggaagta gctgaccttc agcctcagct aaagattgac 600
aaagctgtgg cctttcagaa tccgcagact catgtcattg aaaatttgca tgcagcagct 660
taccggaatg ccttggctaa tcccttgkat tgtcctgact ataggattgg aaaagtgaca 720
tcagaggagg taccaakraa actntaaaga aattggcgct agaatacttg gagcaatggc 780
agnatcaata ga 792

<210> 415
<211> 1342
<212> DNA
<213> Homo sapiens

<220>
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<222> (1036)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1038)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1099)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1181)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (1224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1338)
<223> n equals a,t,g, or c

<400> 415
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cccgcctcct tccccgccca gcgaagctct ctgaccaccc ctcttttcta gagttctgcc 120
tcgcttcccg gcgcggtcgc agccctcagc ccacttagga taatggcgac agctgaggta 180
ctgaacattg gtaaaaaatt atatgagggt aaaacaaaag aagtctacga attgttagac 240
agtccaggaa aagtcctcct gcagtccaag gaccagatta cagcaggaaa tgcagctaga 300
aaaaaccacc tggaaggaaa agctgcaatc tcaaataaaa tcaccagttg tatttttcag 360
ttattacagg aagcaggtat taaaactgcc ttcaccagaa aatgtgggga gacagctttc 420
attgcaccgc agtgtgaaat gattccaatt gaatgggttt gcagaagaat agcaactggt 480
tcttttctca aaagaaatcc tggtgtcaag gaaggatata agttttaccc acctaaagtg 540
gagttgtttt tcaaggatga tgccaataat gacccacagt ggtctgagga acagctgatt 600
gctgcaaaat tttgctttgc tggacttctt ataggccaga ctgaagtgga tatcatgagt 660
catgctacac aggctatatt tgaaatactg gagaaatcct ggttgcccca gaattgtaca 720
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gtcctgggga acacctgcca tatnccaggt tatccagcct gtcctncccc ttaanaccca 1260
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ttcaacccgt acctttttncc ag 1342

<210> 416
<211> 1113
<212> DNA
<213> Homo sapiens

<400> 416
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cgccgtraga actttgcagg aacagctgga aaaggccaaa gagagtctta agaacgtgga 120

tgagaacatt cgcaagctca ccgggcggga tccgaatgac gtgaggccca tccaagccag 180
attgctggcc ctttctggtc ctggtggagg tagaggacgt ggtagtttat tactgaggcg 240
tggattctca gatagtggag gaggaccccc agccaaacag agagaccttg aaggggcagt 300
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ggatgatgat gttaaaaagc cagcattgca gtcttcagtt gtagctacct ccaaagagcg 420
cacacgtaga gaccttatcc aggatcaaaa tatggatgaa aagggaaagc aaaggaaccg 480
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aaagaaaaga aaagaaagga aagaaaagaa aac 1113

<210> 417
<211> 1174
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<400> 417
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gctccagttc ctaggactgt acaagaaatc tggaaaactt gtattcttag gtttggataa 240
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graaaacacg tctcaccact gtggttgatt caaaagaaag tgattctatt ttttaaagaa 1080
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<210> 418
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (661)
<223> n equals a,t,g, or c

<400> 418
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ctcagccccg cggacgcatg tcccccttgcc gagttgaggg cagctggcct agagcctgtg 180
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ngggcaacca ttg 673

<210> 419
<211> 2178
<212> DNA

<213> Homo sapiens

<400> 419
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gtctgaattt ttataaaaca tatagcataa aaacttccag tactttggtt gacccttgta 1980
tgtcacagct ctgctctatt tattattatt ttgcaaaata accattttaa catttgataa 2040
agcatattta tgaacatatt tcttaataag aaaaatatcc attttattac cattttctat 2100
ctttttcaaa atatgcaagt ttttacctat atgtcttata ataaaagaaa taaaatattt 2160
gaaaaaaaaa aaaaaaaa 2178

<210> 420
<211> 1884
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 420
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tccccatggg gggtgttcct tccagactcc gccaactgtg aattgccttt gttaaccccg 120
tgcagcaagg ctgtgatgag tcaagcctta aaagctacct tcagtggctt caaaaaggaa 180
cagcggcgcc tgggcattcc aaagaacccc tggctgtgga gtgagcaaca ggtatgccag 240
tggcttctct gggccaccaa tgagttcagt ctggtgaacg tgnaatctgc agaggttcgg 300
catgaatggc cagatgctgt gtaaccttgg caaggaacgc tttctggagc tggcacctga 360
ctttgtgggt gacattctct gggaacatct ggagcaaatg atcaaagaaa accaagaaaa 420
gacagaagat caatatgaag aaaattcaca cctcacctcc gttcctcatt ggattaacag 480
caatacatta ggttttggca cagagcaggc gccctatgga atgcagacac agaattaccc 540
caaaggcggc ctcctggaca gcatgtgtcc ggcctccaca cccagcgtac tcagctctga 600
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tgtcagtcag gacttcccag gcagcaactt gaatttgctc accaacaatt ctgggacgcc 720
caaagaccac gactcccctg agaacggtgc ggacagcttc gagagctcag actccctcct 780
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gctggccggc ttcacaggaa gtggacctat tcagctgtgg cagtttctcc tggagctgct 1020
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cgccgacccc gatgaggtgg cccgccggtg gggaaagagg aaaaataagc ccaagatgaa 1140
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gctccgagga cccaggaaag gcaggattga aaatgtccag gaaagtggcc aagaagcagt 1440
ggccttattg catcccaaac cacgcctctt gaccaggctg cctcccttgt ggcagcaacg 1500
gcacagctaa ttctactcac agtgctttta agtgaaaatg gtcgagaaag aggcaccggg 1560
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aaggagcgag catgtcgtgg acacacacag actattttta gattttcttt tgccttttgc 1680
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catgtcattt agaagttagt ttgkatatat tattataatc ttataattgt tctmagaatc 1800
ccttaacagt tgtatttaac agaaattgta tattgtaatt taaaataatt atataactgt 1860
atttgaaata agaaaaaaaa aaaa 1884

<210> 421
<211> 622
<212> DNA
<213> Homo sapiens

<400> 421
cgcggttaaa tccccgcacc tgagcatcgg ctcacacctg caccccgccc gggcatagca 60
ccatgcctgc ttgtcgccta ggcccgctag ccgccgccct cctcctcagc ctgctgctgt 120
tcggcttcac cctagtctca ggcacaggag cagagaagac tggcgtgtgc cccgagctcc 180
aggctgacca gaactgcacg caagagtgcg tctcggacag cgaatgcgcc gacaacctca 240
agtgctgcag cgcgggctgt gccaccttct gctctctgcc caatgataag gagggttcct 300
gcccccaggt gaacattaac tttccccagc tcggcctctg tcgggaccag tgccaggtgg 360

acagccagtg tcctggccag atgaaatgct gccgcaatgg ctgtgggaag gtgtcctgtg 420
tcactcccaa tttctgagct ccagccacca ccaggctgag cagtgaggag agaaagtttc 480
tgcctggccc tgcatctggt tccagcccac ctgccctccc ctttttcggg actctgtatt 540
ccctcttggg ctgaccacag cttctccctt tcccaaccaa taaagtaacc actttcagca 600
aaaaaaaaaa aaacttgggg gg 622

<210> 422
<211> 1285
<212> DNA
<213> Homo sapiens

<400> 422
tcgacccacg cgtccgcgca cgcgtccgga agttggcgtg cagctgggag agctagacta 60
agttggtcat gatgcagaag ctactcaaat gcagtcggct tgtcctggct cttgccctca 120
tcctggttct ggaatcctca gttcaaggtt atcctacgca gagagccagg taccaatggg 180
tgcgctgcaa tccagacagt aattctgcaa actgccttga agaaaaagga ccaatgttcg 240
aactacttcc aggtgaatcc aacaagatcc cccgtctgag gactgacctt tttccaaaga 300
cgagaatcca ggacttgaat cgtatcttcc cactttctga ggactactct ggatcaggct 360
tcggctccgg ctccggctct ggatcaggat ctgggagtgg cttcctaacg gaaatggaac 420
aggattacca actagtagac gaaagtgatg ctttccatga caaccttagg tctcttgaca 480
ggaatctgcc ctcagacagc caggacttgg gtcaacatgg attagaagag gattttatgt 540
tataaaagag gattttccca ccttgacacc aggcaatgta gttagcatat tttatgtacc 600
atggttatat gattaatctt gggacaaaga attttataga aatttttaaa catctgaaaa 660
agaagcttaa gttttatcat cctttttttt ctcatgaatt cttaaaggat tatgctttaa 720
tgctgttatc tatcttattg ttcttgaaaa tacctgcatt ttttggtatc atgttcaacc 780
aacatcatta tgaaattaat tagattccca tggccataaa atggctttaa agaatatata 840
tatattttta aagtagcttg agaagcaaat tggcaggtaa tatttcatac ctaaattaag 900
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aataatgaaa cacagtgaat ttgtagagtg ggggtatttg acatatttta cagggtggag 1020
tgtactatat actattacct ttgaatgtgt ttgcagagct agtggatgtg tttgtctaca 1080
agtatgattg ctgttacata acaccccaaa ttaactccca aattaaaaca cagttgtgct 1140
gtcaatacct catactgctt tacctttttt tcctggatat ctgtgtattt tcaaatgtta 1200
ctatatatta aagcagaaat ataaccaaaa aaaaaaaaaa aagggsggcc scyctagagg 1260
atccggcgag gggccctaaa cttaa 1285

<210> 423
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<400> 423
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gcagcgcgcc gcaggaccgg gccgctgagc ctgcagccgc cccgcgccgt gacctgcgac 120
cctagacccc gactcccttt ggctcagccc gcgcgcccca ggcccggccc gggcggcgcg 180
acgggaggat gagcggcggg cggcggaagg aggagccgcc tcagccgcag ctggccaacg 240
gggccctcaa agtctccgtc tggagtaagg tgctgcggag cgacgcggcc tgggaggata 300
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tcattttggg gagttttgcc attacgaggg ttcttgggaa tagcaggatt ctgcctgatc 420
aatgcaagag tccttgtacc tntacttcag caattactac agattgatga aggaagaata 480
tggtngganc ttggaaactc acaaaggaan ggtttatgac ctctttgc 528

<210> 424
<211> 3118
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<400> 424
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cggctccgcc accctcagct tctcttcccc aggtctggga gccgagtgcg gaaggaggga 120
acggccctag ctttgggaag ccagaggaca cccctggctc ctgccgacac cgccctcctt 180
cccttcccag ccgcgggcct cgctcggtgc taggctactc tgccgggagg cggcggcggc 240
tgccagtctg tggagagtcc tgctgccctc cagccgggct cctccaccgg gccttgcagg 300
ggccgagaga gctcggtgcc cgcccttccg ctcgcctttt tcgtcagctg gctggagcag 360
catcggtccg ggaggtctct aggctgangc ggcggccgyt cctctagttc cacaatgtcc 420
acgggcggag acttcgggaa tccgctgagg aaattcaagc tggtgttcct gggggagcaa 480
agckntggaa agacatcttt gatcaccaga ttcatgtatg acagttttga caacacctat 540
caggcaacaa ttggcattga ctttttatca aaaactatgt acttggagga tcgaacagta 600
cgattgcaat tatgggacac agcaggtcaa gagcggttca ggagcttgat tcctagctac 660
attcgtgact ccactgtggc agttgttgtt tatgatatca caaatgttaa ctcattccag 720
caaactacaa agtggattga tgatgtcaga acagaaagag gaagtgatgt tatcatcatg 780
ctagtaggaa ataaaacaga tcttgctgac aagaggcaag tgtcaattga ggagggagag 840
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gttattctgt ttgtttaaaa aataagaaac ctctttaagc aatagatttt gcttgggttt 1980
tctttttaa aaacataata ctgtgcaggc aaggcactgt aaaagtttta attccttcca 2040
gaagaaccag tggaagaatt taaatttggc gctacgatca aaactactga attagtagaa 2100
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gaggcagatc aggtaaagca tacatagtag agggaaagga gagaatggaa ataaaactca 2280
atattatgca gatttatgcc ttatttttta gcatttttta aggttgggtc tttcaggctg 2340
gttttggttt gtattagatc tgtatagttt aattaactgg tgatttagtt ttatatttaa 2400
gctacaatta atctttttc tttggtgata tttatttctt tgccttttt ttttttaaca 2460
actttcaatc ttcagatgtt tcgttgaatc tatttagagc ttcaccatgg caatatgtat 2520
ttcccttaaa acactgcaaa caaatatact aggagtgtgc ccttttaatc tttactagtt 2580
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cacagtataa agatgaaaag acaacaaaaa tatcttcata cttcctcatc ccctcattgg 2760
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agtgctttta taatacaata taattgttaa aggcaagggt tgactctttg ttttattttg 3000
acatggcatg tcctgaaata aatattgatt caatatggca aaaaaaaaaa aaaaaaaaaa 3060
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagggcg gccgctcgcg atcttagc 3118

<210> 425
<211> 1410
<212> DNA
<213> Homo sapiens

<400> 425
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ctaaatttta cctcatttat taatctggtc attaaggaat atatttaata atattatgta 180
attattcttt ttatgcatga tacacctaga aaaatgcctt ttgtttctat tgatggcttt 240
gttgtttgga gctacttttg attacttatt gcagtttccc aatttagtct ttactttatc 300
taactcacaa agtaaaatta actgatcaca tggcaactac tgtatttaaa tagttctgga 360
aaaatgaaag tgctttttgc tgcttggtaa atgggtaatg cccttgattc cttgactgta 420

ggacatagct gatctaaagt actctgtcag ttttaccttc acccatgact gtcattagtt 480
gtcaaagttg aaaagtactt tagctgtgag aaatccttgt atgtttttat tataagaggt 540
ataatcatcc tcaaagcctg tttttattac atgatgtgga ctgattattt tttctatcac 600
agtgttaaca gatggatttt attgtaaata caaagaaaac atattgatta ttgtagtatt 660
cttatgtcac ctggcctttt gcgtgagatt atttattatt tctagcaagg ctttcttcct 720
ttcttattgc ccagagactg actgatacat cttttgttat ttttacacat aaattaaaca 780
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ttactccagc gtgtgtaaat tgtacttact ctattctcag agtatattta ctgtccttac 960
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gggtatattt tcttctccta agagaataga cagtttttcc agattcatca tcattgactg 1080
tcaagaaagg acccttcagc aaggctgtac cctcaatgca gttgatggcc tgtcttcacg 1140
gatttacaga cttggcctga tgcccatgta aattcaagct ttggcttgtg gtaacaacca 1200
caagaagaca agcatctgtg gtgcggaggc aagcaggcta actaggagtt gacaagctaa 1260
gaaagtgaaa ctgttctttc ttagttaact gtctttctct ggagctctgt tattttgagt 1320
ataatatttc cacgacactt agtaaatgca agctaaaatg taataataat aaattgtatt 1380
ggagaaacct aaaaaaaaat ttttttaaaa 1410

<210> 426
<211> 1422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<400> 426
ctcaccttgg ccttggaatt aatgacttgg agaagacctg aatggggagg ggagagcagt 60
agaagcatga gcctttctga ctgtctacat gttcttgccc agttttaact tctagtcatg 120
gcgaatgatc gcaggagagc acagactgga ccctgctacg atctctcttg gagtggatca 180
gactgatgat caccaacaac caactcattc ccggataagg aagaagagag tgtcacctac 240
ttcagtgtgg tttcaaccct acttctgcat cttaaagaca ctgtatggtt tcagcagtag 300
tgcccctgtt cattagtccc cctgatgntt tcattcctca tctcatcttt ttcttagcag 360
cattcaatga atccttcatt ctagaaacac tctatatctt tggttttcat grgaccattc 420
tcaccttgtt ttgtcctgtg acttttttga aaaaaacaaa aacaaaaaac ccttttttnc 480
tttttaaatt ctggtaaaaa acacaatgaa aatttgctat cttaaccatg ttgaaatgtg 540
cagttagtaa agtacattca cattgtggtg caagccatca ctaccatcca tcactagaac 600
ccttttcatc ttgcagatct gaaactctac ccattaaacr acttcccatc ttcccatccc 660
cacagctcct agcaaccaac attctacttt ctctatcagt ttgactactc taggtacctc 720
atatgagtag aatcatacag catttatcct tctctgcctg gcttatttca cttgtataat 780
gtccycaagg ttcattcatg ttgtagcatg catcagaact tcctcccctt ttaaaggctg 840
gataatattt catggtatgt ttagatcaca ttctgtttat ccattcatcc atcagtgaac 900
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aatctcgttt attccctcct aatcaagtgt acaacgttgg acactgtgca ggatgatgcc 1020

acttcatctt ggatgctaat ctgccatgtt gacttctgat taaccccagg cccaggaatg 1080
cctcaagatt tctactttac ttactgttgc ttgtgtaagc caagacaacc ttgatgttat 1140
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aaaaaaaaaa aaactcgagg tcgacggtat cgataagctt ga 1422

<210> 427
<211> 830
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (772)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (809)
<223> n equals a,t,g, or c

<400> 427
gggatcgacc cacgcgtccg cctagcgccg ctgggcctgc aggtctctgt cgagcagcgg 60
acgccggtct ctgttccgca gatggggttt gttaaagttg ttaagaataa ggcctacttt 120
aagagatacc aagtgaaatt tagaagacga cgagagggta aaactgatta ttatgctcgg 180
aaacgcttgg tgatacaaga taaaaataaa tacaacacac ccaaatacag gatgatagtt 240
cgtgtgacaa acagagatat catttgtcag attgcttatg cccgtataga gggggatatg 300
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ggcatggaca agatctatga aggccaagtg gaggtgactg gtgatgaata caatgtggaa 480
agcattgatg gtcagccagg tgccttcacc tgctatttgg atgcaggcct tgccagaact 540
accactggca ataaagtttt tggtgccctg aarggagctg tggatggagg cttgkctatc 600
cctyacagta ccaaacgatt ccctggktat gawtctgaaa gcaaggaatt taatgcagaa 660
gtacatcgga agcacatyat gggccnagaa tggttgcaga ttacatgcgc tacttaatgg 720
gaagaagatg aagatgctta ccaggaacag gttctyttca atwccttaaa gnacagcgta 780
acttccagac catgatggga ggagatgtnt taagaaaagc ttaatgctgg 830

<210> 428
<211> 1622
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (76)
<223> n equals a,t,g, or c

<400> 428
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caaaaataaa actgtngcaa tagtattcta ttaaagcttc tttaactgct taaacttgcg 120
gttttgacat ggtacctatc ctttcttccc ttttcaaaag attcgctata gagtctttct 180
ctacatgcca gtctccaaaa tggcgcggac ggcatcagaa ggtcagaggt gagtcacgtg 240
ggtccccccg gttccggcgc ggttgaggcc ttcggtggtg aacgagtctc cagcaccatg 300
tctggtttgt ctggcccacc agcccggcgc ggccctttte cgttagcgtt gctgcttttg 360
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aagtgcctcc gtgaggagat tcacaaggac ctgctagtga ctggcgcgta cgagatctcc 480
gaccagtctg ggggcgctgg cggcctgcgc agcacctcaa gatcacagat tctgctggcc 540
atattctcta ctccaaagag gatgcaacca aggggaaatt tgcctttacc actgaagatt 600
atgacatgtt tgaagtgtgt tttgagagca agggaacagg gcggatacct gaccaactcg 660
tgatcctaga catgaagcat ggagtggagg cgaaaaatta cgaagagatt gcaaaagttg 720
agaagctcaa accattagag gtagagctgc gacgcctaga agacctttca gaatctattg 780
ttaatgattt tgcctacatg aagaagagag aagaggagat gcgtgatacc aacgagtcaa 840
caaacactcg ggtcctatac ttcagcatct tttcaatgkt ctgkctcatt ggactagcta 900
cctggcaggt cttctacctg cgacgcttct tcaaggccaa gaaattgatt gagtaatgaa 960
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gatctctttt ggtgtgggag gacatggggt accacctaca cccaacaagt caatgaggga 1140
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cacctatgac aaaaaatagg ggttacctag ataatgccaa agtcagcatt tgtcctgggt 1260
tcccttgtgt gatctgtttg gactatgttt tcttttcttc tcccacttgc tcagcagctt 1320
gggcttccat tctagttctt ttaccaagat ttttgtgtga ccatgttgac ttcatttgga 1380
ttgccctctt tcaatttcct tgtgaaaaca cccttaactt tctctttacc cttagctgaa 1440
atgtttacat agcttctggt gatatctttt catgatttta aatctcttaa aatggtgatg 1500
gatgtgacac ctcataaaag tgagctttgg actgtagata actcttaaag aaaatgtcat 1560
tttagacaat taaaatattt gtgctcaact gcttggaaaa aaaaaaaaaa aaaaaaaaaa 1620
aa 1622

<210> 429
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<400> 429
ctatgctact tagatatttg tggcaaagca gaaagctttt tgactgtnaa ggcagaggtc 60
agcactgggg gaaacttgct ggtggtctct cccacaacct tgcccagagt cctttccact 120
aaggaggtga agagaacaga gaaagagatt tccatttctg ctgccagagc tggtatttgc 180
ctgcctgatt ctctgtgttt cctgtttcac cgccaccctt tcaggagaga actacaccag 240
ttcatcatga gggtcaggga agcaaaagct ctcagatgtg tccagggcgt tacttaagaa 300
atgagtatgc agattctgga aggggtgtgg aaaaggtgat cctttacccc cacccaggaa 360
aacctgcatt gtgctagcat ggaanaatca tgggctttgg aattaaaccc atttggtgga 420
attaaaccca tttggtttca aatcccagtt atnacatctg ttaactttgc aaactcacaa 480
aaattatttg aaattatctg agttttcatt tnctcacctt ccagaatggg gataatgcct 540
cctgcatc 548

<210> 430
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<400> 430
cccccgccct cggccgcttc tgtgggagca agaagcccga gcccgtcctg gccacaggca 60
gccgcatgtt cctgcgcttc tactcagata actcggtcca gcgaaagggc ttccaggcct 120
cccacgccac agagtgcggg ggccaggtac gggcagacgt gaagaccaag gacctttact 180
cccacgccca gtttggcgac aacaactacc ctgggggtgt ggactgtgag tgggtcattg 240
tggctgagga aggctacggc gtggagctcg tgttccagac ctttgaggtg gaggaggaga 300
ccgactgcgg ctatgactac atggagctct tcgacggcta cgacagcaca gccccccaggc 360
tggggcgcta ctgtggctca nggcctcctg aggaggtgta ctcggcggga gattctgctg 420
tragtcactc gatacaccat accaaaaaag gtttccacct gcgatacacc agcaccaagt 480
tccaggacac acttcacagc aggaaatgac cactggcttr acaagggccg ggactggamc 540
ctgktgccct tgncgcctaa actggataa 569

<210> 431
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<400> 431
gccggaactt ttgtcgatag gaacgggttt gcacagttga gtgttgtcgg ccggcgtgaa 60
ggagactagg gggccatcct cttcctttcg ccgtcgccgc cgcggagcgg agtcgagccg 120
agctgatttg atcgaggagc gcggttaccg gacgggctgg gtctatggtc gctccgcggg 180
ccgctccgcc ggctggtgct tttttatcag ggcaagctgt gttccatggc agggaacttt 240
tggcagagct cccactattt gcaatggatt ttggataaac aagatctgtt gaaggagcgc 300
caaaaggatt taaagtttct ctcagaggaa gaatattgga agttacaaat atttttttaca 360
aatgttatcc aagcattagg tgaacatctt aaattaagac aacaagttat tgccactgct 420
acggtatatt tcaagagatt ctatgccagg tattctctga aaagtataga tcctgtatta 480
atggctccta catgtgtgtt tttggcatcc aaagtagang gaaaaaaaat ttttttttt 540
nggggggggg 549

<210> 432
<211> 1221
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1183)
<223> n equals a,t,g, or c

<400> 432
cgcacttccc ctctgctggg cgcgcggtgg acggtctgaa agggagtgtt cgggtttcgc 60
tggggcctcg cggctccaga gcccagcatg gcttcctcgc gagcctcttc cacggcaacc 120
aaaactaaag cacccgacga cttagttgct ccggtcgtga agaaaccaca catctattat 180
ggaagtttgg aagagaagga gagggagcgt ctggccaaag gagagtctgg gattttgggg 240
aaagacggac ttaaagcagg gatcgaagct ggaaatatta atataacctc tggagaagtg 300
tttgaaattg aagagcatat cagcgagcga caggcagaag tattggctga gtttgagaga 360
aggaagcgag cccggcagat caatgtttcc acagatgact cagaggtcaa agcttgcctt 420
agagccttgg gggaacccat cacacttttt ggagagggtc ctgctgaaag aagagaaagg 480
ttaagaaata tcctctcagt tgtcggtact gatgccttga aaaagaccaa aaaggatgat 540
gagaagtcta aaaagtccaa agaagagtat cagcaaacct ggtatcatga aggaccaaat 600
agcttgaagg tggcaagact atggattgct aattattcgt tgcccagggc aatgaaacgc 660
ttggaagagg cccgactcca taaggagatt cctgagacaa caaggacctc ccagatgcaa 720
gagctgcaca agtctctccg gtctttgaat aatttttgca gtcagattgg ggatgatcgg 780

cctatctcct actgtcactt tagtcccaat tccaagatgc tggccacagc ttgttggagt 840
gggctttgca agctctggtc tgttcctgat tgcaacctcc ttcacactct tcgagggcat 900
aacacaaatg taggagcaat tgtattccat cccaaatcca ctgtctcctt ggacccaaaa 960
gatgtcaacc tggcctcttg tgcggctgat ggctctgtga agctttggag tctcgacagg 1020
tgaatatcac tgttctgtgg cccatactgc catcactaaa gtagatgttt gattggttgg 1080
tccccaggac ctcagtaaaa atctggcatt agggccatgc gcatgggctc acaccttaag 1140
ggctgaaggc aggagaattn gcttaaaccc ggggaaatgg gangttgtgg tgagccgaga 1200
ttgcacactg cactcccagc t 1221

<210> 433
<211> 1115
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<400> 433
ggcacacatc accaagccca gccaaatttt gtttttttt tgtanagatg gggtttcatc 60
acgttkccca ggctgatctc gaacctctgg gctcaagcaa ttcactcgcc tcggcctccc 120
aaaatgctgg gattacaggc ctgagccact gcgcccagcc aggatttgaa ttattttaac 180
tcatccatgg gctgccctag aatgtcacaa atgagggttg tttaatgcct ttcttatagc 240
tgctactgga acactattat gacctaattt atgagccatc cttactcatc tacaagtgct 300
gaagcaatgt tacatacttt tttgctaaac tcagattttt tagcctaatt tcttgtcctc 360
ctatccacct gcatccacac atggcctgca tggggctgcc ttccctgcag tgttctgcag 420
ccatgcttca gggtatagct gttggtggac agcctcaggt cttgggggca ctatagccac 480
taaacgaggt gtgaaaggct caagaggatg accagcaatt aattatcccc agaaagtgaa 540
ggaaaagaga cctttaggga tgttgctggt caagtcttga tttgaccgga gtcaaatcaa 600
tcttcaagca atcttggaat cctcaactgc agtaagcatt tcaaaatgca aacaaactgc 660
ttaacaactg acaagacacc agcccatacg ctgctcttcc aacagtgggt tctagctttg 720
aacaaaagtg ctaaacattt ccttgaatat attcttcctc tttttgtcct catcactcaa 780
tactggtgct cttgtcacag gtagaacagc ttgtttcttt tccatctatt caagtgtgtt 840
tctaattcta aaatgctgat cttctctgga gtctatggta ggcaattatg gtcactggaa 900
tagtttgtct tgttttmaaa tattattggt gcatgtacaa cagcatccaa catatctgtc 960
ttgttcctag atatatagct ctgattttag gccttttgtg cataccatta caatatggtg 1020
gggtaagaca ttctacagta gcctgtgctg aactgatctc ttaaataaac ttgcttctgg 1080
ttaactaaaa aaaaaaaaaa agggcggycg ctcta 1115

<210> 434
<211> 1604
<212> DNA
<213> Homo sapiens

<400> 434
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caggcctgtg cagacaggaa attctcccct gcagcaagta ggggaagtgg gttgtgggat 120
gtgacctcct tccagatatc aggcagtgag tgtaaacctg ccacctccag ccctgatcca 180
ttctcaccta gcggctacag gaagctgtgt ctgttcgatt tggtgggagg agatgtgcag 240
ggagctgtat cttgtcctcc gcttgtgaaa aactcaagga tgtggagaag agtagaccgt 300

ggaaccctgc tcttctgcag ccaagctgag gggcaggatg cgtgtgggac agtggtagag 360
aagcagggga tagactcata ggctgcaaca aaggtgactc tgtccctgga cactgcctcc 420
gtactttctc cttgcttcac tggccacagc atctccctcc agccctcgct atgtgcctct 480
gccatcttca cccatcatgg agcagaggtg aggagaggca gcctgggaat atggagacca 540
gtgaaggacc aggcctggag agcacagggt cctacctggg catccagcag aggagcccct 600
aaaggccagg agcaccccaa gaggagggag ggcagccagc ctccattgac ggcgagcctc 660
cagccctctc ctactttgat caccatttct ctccaggctt tctgcctccg agatgtggca 720
ccatagtgcg gtgccctgtg gcttcaccgc cctacttcca cctccgccca gcctgtaatg 780
tttatataag cagcctcaag gaccaagaac catctgcgaa aggacacaca caggaaattc 840
ataaaagaaa tctgaatgga taaaaccatg aaaaaaagta tgcttcatta gtaattaaag 900
aaaggcaaat agagctggaa gcatttttcc cttagcaaac cataacagaa aaaaataaga 960
cccaatattg gcaaagagac tactgaaaaa acattcccat acattgcgtg tgggagtata 1020
catcggtgca ggcttcctgg atgacagttg ggtgatatgt gtcatgtggc ctaaaagcct 1080
ccatgtcatt tgacctacga attctatctt tgggaattta tcctaagaaa atacttaagg 1140
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gtttggttgg gaatttattc cttttctgct gtaacgaaag tttgcaatag gggattgctt 1260
aagtaaatta ttgtatctcc atccagatgg tggagtaccg cgcagacatt aaaagtcatg 1320
taaaagaaca tctgactgaa agaaaaatgc tccttgaata ttaaaaggtt gtaaaaatag 1380
tgcatgttat gtgatttcaa ttttgttttt taaaatatgg gtgtatgctt gtatacgtag 1440
agcagataaa aaagacggaa ggcatactaa aaaatgttga gtggttatct ttgtatggtg 1500
gaacaaagtc actgtaattt tcatctttgg tttttctgta atttccaaat tttccacatt 1560
ttgtatttca tataataaat ataatttaag aaaaaaaaaa aaaa 1604

<210> 435
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<400> 435
gaggcggtga acgagcagct ttctagcgag cgcagcaacc tggcccaggt gatccgccag 60
gagttcgagg accggctggc agcctctgag gaggagacgc ggcaggccaa ggccgagctg 120
gccacgctgc aggcccgcca gcagctggag ctggaggagg tgcaccggag ggtgaagaca 180
gccctcgcga ggaaggagga ggccgtgagc agcctccgga cacaacatga ggtgagtccc 240
tgtggccagc cctgctggac ctcggggctg ggancangcc tgaccctgtg ggtgtgctgc 300
a 301

<210> 436
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 436
aattcggcac gaggaaaccc ttagtcctgg ccatttcaaa agcatcacac agaagaagac 60
cttgatattt acatttaagt cacatatgca gctactgaca cttactagtg ctgttatagt 120
cctggctatt attccatgag gtcgtcacat tttaaccttt tgcataagcc tccaacggcc 180
tgatggaatg atgaagcctc agaacagttt ctacacaatg gctaagggat gtacccattt 240
tnaattttcc tcttttctgt gatcacagag ggtgaatacg ctttggccgg atacacagaa 300
gtgaaaactg tcacccat 318

<210> 437
<211> 1882
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1793)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1795)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1818)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1826)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1844)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1855)
<223> n equals a,t,g, or c

<400> 437
tagcccgtcg ggagcgccag gccggccagg cctgcgccgy cgccgccgcc gccgtcgccg 60
ccgcgccgac catgtcgmag ccaaggagaa cccgtgcagg aaattccagg ccaacatctt 120

caacaagagc aagtgtcaga actgcttcaa gccccgcgag tcgcatctgc tcaacgacga 180
ggacctgacg caggcaaaac ccatttatgg cggttggctg ctcctggctc cagatgggac 240
cgactttgac aacccagtgc accggtctcg gaaatggcag cgacggttct tcatccttta 300
cgagcacggs ctcttgcgct acgccctgga tgagatgccc acgacccttc ctcagggcac 360
catcaacatg aaccagtgca cagatgtggt ggatggggag ggccgcacgg gccagaagtt 420
ctccctgtgt attctgacgc ctgagaagga gcatttcatc cgggcggaga ccaaggagat 480
cgtcartggg tggctggaga tgctcatggt ctatccccgg accaacaagc agaatcagaa 540
gaagaaacgg aaagtggagc cccccacacc acaggagcct gggcctgcca agtggctgtt 600
accagcagca gcagcagcag cagcagcagc agcagcatcc ccagtgctga gaaagtcccc 660
accaccaagt ccacactctg gcaggaagaa atgaggacca aggaccagcc agatggcagc 720
agctgagtcc agctcagagt cccagccaga gccagcctcc tgctgccagc ytctgcggga 780
actgggctag agagcaaaga agaggagagc gccatgagta gcgaccgcat ggactgtggc 840
cgcaaagtcc gggtggagag cggctacttc tctctggaga agaccaaaca ggacttgaag 900
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aggaggtccc aggtgattga aaagtttgag gccttggaca ttgagaaggc agagcacatg 1020
gagaccaatg cagtggggcc ctcaccatcc agcgacacac gccagggccg cagcgagaag 1080
agggcgttcc ctaggaagcg ggacttcacc aatgaagccc ccccagctcc tctcccagac 1140
gcctcggctt ccccctgtc tccacaccga agagccaagt cactggacag gaggtccacg 1200
gagccctccg tgacgcccga cctgctgaat ttcaagaaag gctggctgac taagcagtat 1260
gaggacggcc agtggaagaa acactggttt gtcctcgccg atcaaagcct gagatactac 1320
agggattcag tggctgagga ggcagccgac ttggatggag aaattgactt gtccgcatgt 1380
tacgatgtca cagagtatcc agttcagaga aactatggct tccagataca tacaaaggag 1440
ggcgagttta ccctgtcggc catgacatct gggattcggc ggaactggat ccagaccatc 1500
atgaagcacg tgcacccgac cactgccccg gatgtgacca gctcgttgcc agaggaaaaa 1560
aacaagagca gctgctcttt ttgagacctg cccgaggcct actgagaagc aagaggcaga 1620
gctgggggag ccggaccctg agcagaagag gagccgcgca cgggagcgga ggcagagggc 1680
cgctccaaga cctttgactg ggctgagttc cgtcccatcc agcaggccct ggctcaggag 1740
cgggtgggcg gcgtggggcc tgctgacacc cacgagcccc tgcgccctga ggngnasctg 1800
gggaagctgg agcgggancg tgcacngaag cgggaggagc gccncaagcg cttcnggatg 1860
ctcgacgcca cagaacgggc ca 1882

<210> 438
<211> 2056
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2046)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2053)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2054)
<223> n equals a,t,g, or c

<400> 438
gattcagctt aacccgtgat cttcttaagt taaaggtact tttgttttat aaaagctcta 60
gataaaactt tcttttctga tcatgaatca agtatctgtg gtttcatgcc cctctctata 120
cctttcaaag aactcctgaa gcaacttaac tcatcatttc agcctctgag tagaggtaaa 180
acctatgtgt acttctgttt atgatccata ttgatattta tgacatgaac acagaatagt 240
accttacatt tgctaaacag acagttaata tcaaatcctt tcaatattct gggaacccag 300
ggaagttttt aaaaatgtca ttactttcaa aggaacagaa gtagttaacc aaactaacaa 360
gcaaaacctg aggtttacct agtgacacca aattatcggt attttaactg aatttaccca 420
ttgactaaga atgaaccaga tttggtggtg gttttgtttc tatgcaaact ggacacaaat 480
tacaacagta aatttttta taagtgcttc tcccttctcc atgatgtgac ttccggagat 540
aaaggattca aaagataaag acaaagtacg ctcagagttg ttaaccagaa agtcctggct 600
gtggttgcag aaacactgtt ggaagaaaag agatgactaa gtcaagtgtc tgccttatca 660
aaagagcaaa aatgcctctg gttttgtgtt tgggagaaaa atatcttgga cgcactgttt 720
tccttgataa aagtcatctt ctctactgtg tgaaatgaat acttggaatt ctaattgttt 780
tgtgtgccag gggcagtaat gtccctgcct cttctcccaa tcaaggttga ggagtggggc 840
tggggagagg acttaactga cttaagaagt agggaaaaca aaaacctctc tcctcagcct 900
tccacctcca agagaggagg aaaaacagtt gtctgctgtc tgtaattcag tttgcgtgta 960
ttttatgctc atgcaccaac ccatacagag taaatctttt atcaactata tactggtgtt 1020
taatagagaa tgattgtctt ccgagttttt tggttccttt tttaactgtg ttaaagtact 1080
tgaaatgtat tgactgctga ctatatttta aaaacaaaat gaaataattt gagttgtatt 1140
acagaggttg acattgttca gggatgggac aaagccttct tcaatccttt tcatactact 1200
taatgatttt ggtgcaggaa cctgagattt tctgatttat atttcatgat atttcacatt 1260
tgctcttcac agcatgagca tgaagcccag tggcaccaaa tggctgggta caatcaagtg 1320
atattttgta gcacctcact atctgaaagg ccatgagttt tcagatgatt tcattgagct 1380
tcattgcagc ctgaaatttt aaaaaagttg tgtaatacgc caaccagtca agttgtgttt 1440
tggccagaga tttagatatg tccaatttcc tggctcattt cattgtgctc tatgggtacg 1500
tataaaaagc aagaattctg tttcctaggc aaacattgca actcagggct aaagtcatcc 1560
agtgaaactt ttagagccag aagtaacttt gtcccagtcc tacaatgtga aaagagtgaa 1620
tagttgcctc tttttagcca ttttcatggc tggtacatat tcgtacgcat tacttttcag 1680
aatcaatacg cactttcaga tattcttatt tttattctct taagtcttta ttaactttgg 1740
agagagaaat gatgcatctt tttattttaa atgaagtaga tcaacatggt ggaacaaaat 1800
gataaagaac agaaaacatt tcaatatatt actaataact ttttccaata taaatcctaa 1860
aattcctata acatagtatt ttacagtttt atgaagcttt ctattgtgac ttttatggaa 1920
ttaagagatg aagaagatga gatattttag catttatatt tttcaaaatt atatgtatac 1980
ttaaaaataa agtaacttta tgcatttaaa aaaaaaaaaa agggsggccc gttttagagg 2040
atccangttt acnncc 2056

<210> 439
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (688)
<223> n equals a,t,g, or c

<400> 439
ggcggcgcgg rcaggtcgga gctcggagct gctgcttctg gttctcttgt ggccgccgtc 60
gctgtccggc tgccttgggc tgccgaacag acaaggcgtg ggccacagca cctcagaagc 120
cgacgcagct cgacgcaggg gccggcagga gggtgggcga tcgcgtgtcg gagggcgccg 180

cgcgggcagg cgggcgggcg ccagaggggg aaagaggcgg gggcggcggg tcagccgctg 240
gccgggccgg ccggggaatg tcgatgcctg acgcgatgcc gctgcccggg gtcggggagg 300
agctgaagca ggccaaggag atcgaggacg ccgagaagta ctccttcatg gccaccgtca 360
ccaaggcgcc caagaagcaa atccagtttg ctgatgacat gcaggagttc accaaattcc 420
ccaccaaaac tggccgaaga tctttgtctc gctcgatctc acagtcctcc actgacagct 480
acagttcagc tgcatcctac acagatagct ctgatgatga ggtttctccc cgagagaagc 540
agcaaaccaa ctccaagggc agcagcaatt tctgtgtgaa gaacatcaag caggcagaat 600
ttggacgccg ggagattgag attgcagagc aagacatgtc tgctctgatt tcactcagga 660
aacgtgctca gggggaraag cccttggntg gtgstaaaat akkgggyttg acacattaca 720
g 721

<210> 440
<211> 1041
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1025)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1030)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1039)
<223> n equals a,t,g, or c

<400> 440
ctcgtgcgcg gacattgtca gctgcgtttc cgcggtcgcg gttgaggagc tcaagcttgg 60
gaaaatggtg tgcattcctt gtatcgtcat tccagttctg ctctggatct acaaaaaatt 120
cctggagcca tatatatacc ctctggtttc ccccttcgtt agtcgtatat ggcctaagaa 180
agcaatacaa gaatccaatg atacaaacaa aggcaaagta aactttaagg gtgcagacat 240
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ttaatgtcta attataaaat tttaatcctt actgcatttc ttctgttcct acaaatgtat 960
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<210> 441
<211> 1995
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1957)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1992)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1995)
<223> n equals a,t,g, or c

<400> 441
gcccacgcgt ccgcccacgc gtccgcagca tcaccatgtc tgttcgatac agctcaagca 60
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gaggagtgtc atccctaaga atttctagca gcaaaggctc ccttggtgga ggatttagct 180
caggggggtt cagtggtggc tcttttagcc gtgggagctc tggtgggggc tgctttgggg 240
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gcgagtcttc atctaaggga ccaaggtcag cagaaactag ctggggtaat cagaattagt 1860
tttaacttcc tgtgatggtt tttttgcgct ttaactctag agttgtttta aaaaattaaa 1920
aatcttagag cggttccgtt gcattgttca caactantct taacaccagc cgtgaaaatg 1980
gctgatcaaa tncan 1995

<210> 442
<211> 1723
<212> DNA
<213> Homo sapiens

<400> 442
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cgccgtcccg cagctgctgt ttccggagtt gcccccttcc catgttccgg ggcaggagtc 180
cgcaaagcga agatccgccc gccggttcct catcatgtcc gaactgacta aagagctgat 240
ggagctggtg tggggcacca agagcagccc cggtctctcg gacaccattt tctgccgctg 300
gacgcaaggg tttgtgttta gtgaatcaga gggatctgca ttagaacagt ttgaaggtgg 360
cccctgtgct gttattgcac ctgttcaggc atttcttttg aagaagctcc tgttttcttc 420
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cttgtgtgat attttagaaa gtgcttgttg tgaccactct ggatcatact gcttggtttc 540
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gccatacatt gagttactct ggaccacaga tcgctctcct tcactaaatt aatttgtcta 1560
agtatttata aggaagatct taataacaga tgttgaaaga aggagtcaag actggcaatt 1620
ggctggatta agctaaacac tggtatcact gattaactgt aaataacaat taaaaacaca 1680
ttttcagtgt taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1723

<210> 443
<211> 1899
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1878)
<223> n equals a,t,g, or c

<400> 443
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ggtgcctgga tgacaagtgg acagtttaag ccggttcctc agatcctaat ggagctgccc 120
cctgccgagc aacaraggct ctttaacgaa gccgcagcca tcatcaggca cctggagtgg 180
acggacgccg tgcagctgac tgcgctggtc atgggcagcg aggccctgca gcagcagcts 240
ctggccatgc tggtgaacta cgtcaccaag gagctgcggg ccgagatcca gtatgatgac 300
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tgtattacta gtaatgtccc gctggagagg ccaccgctgt gcagtgtcat gttccagaaa 480
ttactgatga agcagcatgt gttggtggca tgtgcactgg cctgccatga cagccctctg 540
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aaaaaaaaaa aaaccccngg gggggcccgg taccaattc 1899

<210> 444
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (413)
<223> n equals a,t,g, or c

<400> 444
actacaaaaa ggagtgctga agccaatcac catgtaagca agataaaagc aaaggggtc 60
ttgcctgccc atctctgttc catacattct taccaggcac tgagagtcat ggggagttta 120
agactccatc ccacatactc cttttgaaac tggtccagtg tacaacatcc agtgaagagt 180
ataggatggc atagacttac caactcaaag aatggaagga ttctagaaac attatagtcc 240
aacctcctca attcatcgtt gatacacaaa ggcccactaa gctgtgtggt tcactcagca 300
tcacgtggct aatatgatat gaagccacac tagcttgtcc tcagctgtgc caagaatgag 360
agctgccttc tccaaaccta aaaccaaccc atggnatcat taacacctct ttnaaatcca 420
tagggcagtg 430

<210> 445
<211> 2153
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<400> 445
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taggaacttc agaccagatt gttccagagt accaggagga cagtgnacat tagttccttc 180
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tgagcagcat atgctgtgat tggctgccct gcaaatttgt ttcccttaag gaaccctcac 420
caactatctc tgctggattt gggagttccg catcttttgt ggagggcaga gtatggacat 480
cttacacccg gtggtcaagt gtgtaataaa cttgagcatt cgaatgggag aaaaagcaaa 540
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<210> 446
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 446
ggcacgagct ggccagctcc gagttctccc atgaagccgt caagacgcac attgacaccg 60
tcatcaatgc cctcaagacg gagcgggacg tcagcgtgcg gcagcgggcg gctgacctcc 120
yctacgccat gtgtgaccgg agcaatgcca agcagatcgt gtcggagatg ctgcggtacc 180
tggagacggc agactacgcc atccgcgagg agatcgtcct gaaggtggcc atcctggccg 240
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cgggncgact acgtgagtra ggaggtgtgg taccgtgtgc tacagatcgt caccaaccgt 360
gatgacgtcc agggctatgc ccgcaagccc gtctcccgtc acctgtgtga gctgctggca 420
cagcagttct gagccctgga ctctgccccg ggggatgtgg ccggcactgg gcannccctt 480
ggacttgang ca 492

<210> 447
<211> 1539
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<400> 447
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ccgggcaaac tagacattgt aatgcataag atgcaggaaa aagtgcagag cattaactat 120
aacccttttg accagaaact ttatgtctat aacgatggtt accttctgaa ttatgatctt 180
tctgtcttgc agaagcccca gtaagctgtt taggagttag ggtgaaagag aaaatgtttg 240
ttgaaaaaat agtcttctcc acttacttag atatctgcag gggtgtctaa aagtgtgttc 300
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tgatttggtg agttctcttg ggaatcatct gcctcttcag gcgcattttg caataaagtc 420
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ctaattcttc catgcctgga agaaacctgg ggacttagtt aggtagatta atatctggag 660
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggcggcc 1539

<210> 448
<211> 3983
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (60)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1010)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3067)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3255)
<223> n equals a,t,g, or c

<400> 448
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agtaatnagt ctcacctgct aaagagcaag ggtggggcaa gacacacccc atcccttcca 120
ttggtttttt ccttagtctt actgacagag ccttgtccaa tcaggaggaa gtaactttct 180
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aaaaaaaaaa aaaaaaaaaa aaa 3983

<210> 449

<211> 1177
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<400> 449
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taagcaggga agtgtctcca aaggtcagga cttatgtttt tctgttgagt gctatatgtg 180
gaggttattg caagttccct gatatgagta tggtttcgct tgctacattg tgcctattaa 240
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gaaaacatta aaagattatc tctttttaag atggaggaaa aaaagtgaac aaagctaatt 360
aatctataat gaaaattgca caaaataaca tttcttaaca aatttaatac aattttgtgt 420
tctttgttgc tagtggtata aaacgagatt tttttccctc atttttctca ttgtagatgt 480
catctctcac atttatatca gtgaggtttg aaattctgtg tagcagttac tcagcacata 540
tgagagggca gcgaatgaat gagatttgtc atgtgctaat aaaagctgaa tttttgtaat 600
ctaaaatgat gtattttcta ctattgctgt taatttgcat tgttaaaaat tcttaaagtt 660
taatatgtta tgttcagtca ttgaaagcga ccactcattt ttttyttaaa gttgatgcct 720
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<210> 450
<211> 2428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2009)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2037)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2420)
<223> n equals a,t,g, or c

<400> 450
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tggtgggaga gactcacaaa gcaggaaaag cgaccactgt ttttggctcc tgactttgat 480
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gggcagttac agtgtacagn ctttgaca 2428

<210> 451
<211> 2485
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<400> 451
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agcagagggg agagcggccg ccgccgctgc cgcttccacc acagaaatca agatgactac 120
cagctggttc gaaaattagg ccgaggtaaa tacagtgaag tatttgaagc catcaacatc 180
acaaataatg aaaaagttgt tgttaaaatt ctcaagccag tnaaaaaaga agaaaattaa 240
gcgtgaaata aagattttgg agaatttgag aggaggtccc aacatcatca cactggcaga 300
cattgtaaaa gaccctgtgt cacgaacccc cgccttggtt tttgaacacg taaacaacac 360
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aaaaaaaaaa aaaaaaaaaa aaaac 2485

<210> 452
<211> 963
<212> DNA
<213> Homo sapiens

<400> 452
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ggccgggact ctgaactatg gcggctagtg atacagagcg agatggacta gccccagaaa 180
agacatcacc agatagagat aagaaaaaag agcagtcaga agtatctgtt tctcctagag 240
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ccaaagataa atcctctaag aaacataagt ctgaggaaca taatgacaaa gaacattctt 420
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agc 963

<210> 453
<211> 604
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<400> 453
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cgtgggcaaa gtatgtggtt cgtgaaggtg ataatgtgaa ttatgattgg atacactggg 120
atccagaaca ctcatatgag tttaagcatt ccagaccaaa gaagccacgg agtctaagaa 180
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cttccagccg ttatggaaca cctgaagagc tacaagaact ggtagacaca gctcattyca 420
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cagt 604

<210> 454
<211> 1917
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1256)
<223> n equals a,t,g, or c

<400> 454
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cagggaagcc agcaggagct aggagagagt ccgtggatct cgaaagaaat atgggagaca 120
gatgcccggc ggtgcgtctg gagatgggga cggcgggagt tgagttgtgg cagtagtyga 180
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gggcagaagg ttggagggac acttatgagg gtggccgggg gtctgacgct gcactttgga 600
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<210> 455
<211> 1538
<212> DNA
<213> Homo sapiens

<400> 455
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ggcaggagcc ttccttacac ttcgccatga gtttcctsat cgactccagc atcatgatta 180
cctcccagat actatttttt ggatttgggt ggcttttctt catgcgccaa ttgtttaaag 240
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gcaccatgtt tgagctcatc atctttgaaa tcttaggagt attgaatagc agctcccgtt 360
attttcactg gaaaatgaac ctgtgtgtaa ttctgctgat cctggttttc atggtgcctt 420
tttacattgg ctattttatt gtgagcaata tccgactact gcataaacaa cgactgcttt 480
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tgattggagt gactctcatg gctcttcttt ctggatttgg tgctgtcaac tgcccataca 660
cttacatgtc ttacttcctc aggaatgtga ctgacacgga tattctagcc ctggaacggc 720
gactgctgca aaccatggat atgatcataa gcaaaaagaa aaggatggca atggcacgga 780
gaacaatgtt ccagaagggg gaagtgcata acaaaccatc aggtttctgg ggaatgataa 840
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gagttgggaa aacggatcct gtcacaagag gcattgagat cactgtgaat tatctgggaa 1140
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tcgtcacatc catcagagga ttgctgatca ctcttmccma ggtgatacta tgaccatgag 1260

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cccgtgtgga tatgaggctg gtgtagaggc ggagaggagc caagaaacta aaggtgaaaa 1380
atacactgga actctggggc aagasatgtc tatggtagct gagccaaaca cgtaggattt 1440
ccgttttaag gttcacatgg aaaaggttat agctttgcct tgagattgac tcattaaaat 1500
cagagactgt aaaaaaaaaa aaaaaaaaaa gggcggcc 1538

<210> 456
<211> 2189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<400> 456
ggcatattaa taaatgnaat taaatgtctt aataagcagc tggctgaact ctagagagaa 60
ctgctgtaga cttctgcaat cagtctctgt attggtatat ccagtactat cgggtttagg 120
ttctttttat ttttccttaa atcttacttg tttctagcgt cttaagagtg gtaatggtaa 180
aatgtgaagt tacaataaac ttctgcttgt tttctcagaa catctttggc atgaggaaga 240
acttttttgtg aatgatacag tagtctcagc atctgttaat ttgtggtttt caaagcattt 300
ttgacagagt ttacctaatg taaaaagatt aaacagtttt ataaaacaca aataaacatt 360
cctacctgaa ctgtgaggaa cagagtgtat agtacaaatg taattaggca ttgcctcctg 420
gcgaggttct tgatgcatga cttcgatgct ggctgctgac tgaggtgacc actgtcagta 480
ttgtactttg gcatatgttg tttttaggra aataatggaa tgcattctta gattaactta 540
ctgtttttga gttggaaaaa ataaaagatg aggtattata agtatgccaa atatttatac 600
actacaaaag attaaaaaag gagagggaga aaaaaaaagg ccagttatga ttttaatagc 660
gtctaatttt tttttgactc gaattttgtg gacactagtc aattgcataa tttaacatgg 720
aggagctttc atttaaaaga agttctcagc tactatattc tgccattaaa attaaccatg 780
cctgttaatt ttacattgct tgaagatata agtaagctgc cgtcaatatt gttttaagat 840
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gcattggcca ttaaagataa gtttggctaa ctattttact gaagagacta atggtcttcc 960
ctctgttgta ctgctatgtt tcttgatctg ttttttcccca atgtaacagt ctacattgaa 1020
gtcctttagc tctctccata tactaattga catttgttaa ggattcaata ttttgtgaat 1080
tctttttacc cttaaaatgc atatctttca gagagataag aatgaatttt gcaataattt 1140
atatgcagag tgtgcttatg ggtttctggg agttcaagtt agtaccccag agtgcttaaa 1200
agtatgatgc taaattctaa ggctaatgta atgactgtag attatctatg tccacattgt 1260
tcaacagaaa tataatgtga accacaacat aatttttaat tttctagtag ccatattaaa 1320
aaagaaacaa gcaaaattaa ttttaataac agtttatgta acccagtata ttaaaaatat 1380
catttcaaca tgtaatcaat ataaaagatt attaatgaaa caccttatct tctttttctt 1440
ccatactaag tcttagattt gagtgtattt tgcactcaca gcacatctca attctgactg 1500
gccacatttt aagtgctcag tagtcacata tggctaaggg ctactatact ggacagtaca 1560
gattcataga gtataaaata tgactttaac tttggagatg gtgaggtagg cctgtaatta 1620
tggtacttta aaaattcaga atatttagaa aagcatctaa tagaattatc cacttgwttt 1680
ccttcatctt cattttaata tgttctagaa gtaggatcag cctgttccaa tttgccaagc 1740
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attaacaaat ttttaagttg cgttcactaa attctgtcct gtttcttcaa aataatatag 1860
cttaaattgc atgttaattg tatatcttac ctatttttgtt tttatattat tcttacaata 1920
taatcatgta tattaacaaa cagccctggg attctaatct tcctctgcaa ctgtcttcca 1980
ggacttactg gcacttatta cactgtgata agtggcagaa aagtagaatg aaatattctt 2040

tttccattag atttgttctt atgtgaccat gtaccaagcc agctataaag tattgtattt 2100
ctgtagaata tggaaaatag tatttgtctt acctttgcta aatgtttgca atttctaagt 2160
aaacctttta tctcctaaaa aaaaaaaaa 2189

<210> 457
<211> 1399
<212> DNA
<213> Homo sapiens

<400> 457
gcaccccgcc ttgtagtgac ctgtcggcac gtgtcccctc gggaagcagc cagggtcctg 60
gtgcgctcca ccacccccaa gagtgtggcc atctggggcc gtgtggtatt tgccactcag 120
gagacatgtc cctatgacat agcagtggtg agcctggagg aggacctgga tgatgtcccc 180
atccctgtgc ccgctgagca cttccatgaa ggcgaggctg tgagtgtggt gggctttggc 240
gtctttggcc agtcttgcgg gccctcggtg acctcaggca tcctttcggc tgtggtgcag 300
gtgaatggca cgcccgtaat gctgcagacc acgtgtgctg tgcacagcgg ctccagtggg 360
ggacccctct tctccaacca ctcaggaaac ctccttggca taatcaccag caacacccgg 420
gacaataata cgggggccac ctacccccac ctgaacttca gcattcccat cacggtgctc 480
cagccggccc tgcagcagta cagccagacc caagacctag gtggcctccg tgagctggac 540
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cggagcaagc tctgaggctg tgttaccacc tttggaaaga agagtgacct ttttctgctg 660
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ccaggctgcc tctcatctcc acccactgac tgcagactgg gctttgggct ctggggcaaa 780
cttctcttca gccccatgga tccttaacct ggcagcccgt tttggggtgc tttcttgagc 840
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tcttcatatg ccaacagggg cgctcttgac actgtgcctt cattttccag cccacagcct 1260
gggtctcagg gatcttgagg ggtagaacat gtctggttgg ggcttgggaa taaacatgat 1320
ctattgaaaa accwcwrtat ttatatttca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaa 1399

<210> 458
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 458
cacgagcggt cacgagattt aatgtttcca aggttagacg ttcacttttt gagacgnttg 60
agtagctttt cacttaattg actagcatgt atgggtttct ttacccaggt ccacaattca 120
ctacacaggt ccagaaaaaa agctgatctc tgaaaagcac taggagaagg cagctagaga 180
gggagaattc taattaggcc ggggtcctct gtggcttgaa tgactgaata agtttttata 240
gtcttcaatt cagtgacttc cagattcttc ccaaagaaat ttctagrgat caagagtagg 300

ctctttcgga agtacttgcc cgtattacac tttaatttta caaaccaaac aacagcaatt 360
caaccaatca aacaacaaaa acaatccaaa gaaagagact tggacatagg catcaaggaa 420
tcatttcact ttataattta atagaacact ggtgtatcat tcattaattc tgaaagtgag 480
aactaaatgt aaaataattt tgtaaggttt gtgaattgtt gcctaggtat tctggtgatg 540
tttactttag tgattttatc attaatgaaa gcaatgtgtt tttttagaaa acatattatt 600
agggttcata acgttgacat tctgttggtg caatcataat ctcctgtttt gttttagtcc 660
tagctctaca gttgaatgaa tccaagctca cctccaggcc ttttgctat 709

<210> 459
<211> 1283
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<400> 459
agcagtctgc cgtggccatg tacatgctct ataagaagca gaagcagcag aacgtggccc 60
actgcatgct ggtaagcaac cgcgtnctcc tggtgggga gcacgctggc catgctgcag 120
cgccttcaag gagcagcagt tcgtnatcgc cggggtcttg gtggaggaca gcaacaacca 180
ccacctcatg ctggaggcca gcragtgggc caccatcgag gggctggtgg agctcctgca 240
gcccttcaag caggtggccg agatgctgtc ggcctccagg taccccacca tcagcatggt 300
gaagccgctg ctgcacatgc tcctraacac cacgctcaac atcaaggaga ccgactccaa 360
ggagctcagc atggccaagg aggtcatcgc caaggagctt tccaagacct accaggagac 420
gcccgagatc gacatgtttc tcaacgtggc caccttcctg gacccccgct acaagaggct 480
gcccttcctc tccgccttcg agcggcagca ggtggagaat cgcgtggtgg aagaggccaa 540
gggctgctgg acaaggtcaa agacggcggc taccggccgg ctgaggacaa gatcttcccg 600
gtgcccgagg agcctcccgt caagaagctc atgcggacat ccacgccgcc gcccgccagc 660
gtcatcaaca acatgctggc cgagatcttc tgccagacag gcggcgtgga ggaccaggaa 720
gagtggcatg cccaggtggt ggaggagctg agcaacttca agtcccagaa ggtgcttggc 780
ctcaacgaag acccccctcaa gtggtggtca gaccgcctgg ccctcttccc cctgctgccc 840
aaggtgctgc agaagtactg gtgcgtgacg gccaccgcgt cgcccctgag cgtctcttcg 900
gatccgccgc caacgtggtc agcgccaaga ggaaccggct ggctcccgcg cacgtggaac 960
gagcaggtgt ttctgtatga raacgcccgg agtggggcag aggcggaacc cgaggaccag 1020
gacgargggg artggggcct ggaccaggag caggtgttct ccttggggga tggcgtcasg 1080
gcggtttctt tggcattagg gacagcagct tcctgtagcg aggaagcgtg ttgtcttaca 1140
agtcatcccc gcagcagccc attggatgct ttgctgtaaa tacttacccg gtcagcttgg 1200
ttttgaacct cagagaccat ccactgtctt tgacacctag aaggtggaaa aaggaaagag 1260
attcgagaag tgagagaggg tcg 1283

<210> 460
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<400> 460
tcgacccacg cgtccgcaag tacaaaaacc ttaagtttca tttgtagggc cacagatcat 60
agaatttcaa atgacatatt acatagtttg taaatgtata tatttggttg actgaaactt 120
aatcataatt tagttcttaa aactatgtgg cttgaagtgg caagtagcaa gtactgattt 180
taccagattc aagttgattt ttaaaagtaa ccattggaga aatcgttata catttgtttg 240
caggattttt acctcctata actccaccag aaaagttttt tctttcccag ctgatgctgg 300
caccccacg ggaactcttc aaaaagacgc ctcgccagat tgcactgatg gacgttggaa 360
acatgggcca gtctgtggam attagtgggc tcagttagcc ttggccggta aggrggaayc 420
agtgtttggg nattc 435

<210> 461
<211> 654
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 461
gcgwccgagc cttyggagct cccagcgtcc cctcgggttc aatcctccag gacctgtgtc 60
tgatgcctgc atgtgggtac ctgggctcca tcaggttcta gatcggcctc cgccctccac 120
tttcagggct ccaggccnag cttctcatgt ctgtggggag ggtctccaga gccttggtct 180
gtggctgagc tgtggaactt gaaggcctct ctgcatcttg tcactcgtgg cccctgcacc 240
ttgggtcatg acctgcttta tgtggcaacc ctgtgacagc tgctaagtcc tagaaaacac 300
gtaacaggac gtgaggtgcc ctctgcgccg tgtgggcgcg tgcggggaga cccgggcccc 360
aggacgtgag gtgccctctg cgccgtgcgg gcgcgtgcgg ggagacccgg gccacatgcg 420
agcggggccc cgagacattc tgcactcggg aattgcgggg attatcaaat cccgcttcag 480
tgggaaacgt gagcgaaacc caaggtgagt ggccgcagcc tttcgtcacg tgctctcccg 540
catgtcctaa gtragggctc aggctgagct gccgttgccg agagccttgt gtctgcttcg 600
ggtgtctgca ctgtgagtgg ctccgtgctr gcgtccgcac cagccgcttg gggc 654

<210> 462
<211> 2245
<212> DNA
<213> Homo sapiens

<400> 462
aattacccgg tcgacccacg cgtccattgt cccaatgtgc ccggctcagc ctgaggaagc 60
agtcgctctt ccaggagcca ggtcccgatg tggaggccta gcgccgagga acagtgctgg 120
gcacccgcct ggcccgccag acccaccctg ccaacatcaa gttgttcctt ctgctccgga 180
gacccctggg gtgcggccct ggccccctcc acccctgctg ggccagagcg ggtgggcagt 240
gtcaaggccc gctgtctccc aggtgcttgc tgggactcgg ggcggctgca cctggctgtc 300
acctgggtgt gctgctgtga ggggtccttg cgtggccccc atccttcccc caatgcagaa 360

ctccatgggc agggagctgg ggggacatct cacctccccc atggcacaga gccctccaca 420
cccctggacc agggcatccg ggccctagaa attccacagc tcccgtcctg gccaccctgg 480
aagctcatca ggccaagacc cggacagagc ttcagaggag tgttgagtga cacctgagga 540
tgcggctgca cacactcagc caagggccga gtctcacctg cggtggggtt tcggctctgc 600
ctgggggctc catccctttc agccactcgt ggccttgggg atttctggtt gtccccagct 660
gggactgttc acagttgtca cctgcagacc tgcctctccc tggcctgagg ttcaaaggcc 720
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gagacggcag ggtctcctct ttgtcctccg gcatcaggaa ggggatggtg tccactcccc 1560
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tcccccacct gccccttctg ggtgacacag ccggtaaacg gaatcacgta tggttctttc 2040
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catgggtggt cccacagcat gggaccaggc tggcctgagg gatgcccagt tgtaacaatg 2160
ctgctgtcac tgtctcatta aatatacatc ctttaaaaaa aaaaaaaaaa aaaaaaaaaa 2220
aaaaaaaaaa aaaaaaaaaa aaaaa 2245

<210> 463
<211> 1280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1016)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1242)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1254)
<223> n equals a,t,g, or c

<400> 463
gcgagcaacg ctggagcatc ccgctctggt gccgctgcag ccggcagaga tggttgagct 60
catgttcccg ctgttgctcc tccttctgcc cttccttctg tatatggctg cgccccaaat 120
caggaaaatg ctgtccagtg gggtgtgtac atcaactgtt cagcttcctg ggaaagtagt 180
tgtggtcaca ggagctaata caggtatcgg gaaggagaca gccaaagagc tggctcagag 240
aggagctcga gtatatttag cttgccggga tgtggaaaag ggggaattgg tggccaaaga 300
gatccagacc acgacaggga accagcaggt gttggtgcgg aaactggacc tgtctgatac 360
taagtctatt cgagctttkg ctaagggctt cttagctgag gaaaagcacc tccacgtttg 420
atcaacaatg caggagtgat gatgtgtccg tactcgaaga cagcagatgg ctttgagatg 480
cacataggag tcaaccactt gggtcacttc ctcctaaccc atctgctgct agagaaacta 540
aaggaatcag ccccatcaag gatagtaaat gtgtcttccc tcgcacatca cctgggaagg 600
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agcaagctag ccaacatcct cttcacccag gaactggccc ggagactaaa aggctctggc 720
gttacgacgt attctgtaca ccctggcaca gtccaatctg aactggttcg gcactcatct 780
ttcatgagat ggatgtggtg gcttttctcc tttttcatca agactcctca gcagggagcc 840
cagaccagcc tgcactgtgc cttaacagaa ggtcttgaga ttctaagtgg gaatcatttc 900
agtgactgtc atgtggcatg ggtctctgcc caagctcgta atgagactat agcaaggcgg 960
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aaggttttca aaacctttag cacaaagaga gcaaaacctt ccagcctggc caacatnggt 1140
gaaaccccac ctctactaaa aattgtgtat atctttgtgt gtcttcctgt ttatgtgttg 1200
ccaagggagt attttcacaa agttcaaaac agccacagta antcagagat ggangcaaac 1260
cagtgccatc cagtctttac 1280

<210> 464
<211> 2431
<212> DNA
<213> Homo sapiens

<400> 464
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tgcgttcacg gcaggattcg gttaggagga acagcacagc atgctgggct ctggatttaa 120
agctgagcgc ttaagagtga atttgagatt agtcataaat cgccttaaac tattggagaa 180
aaagaaaacg gaactggccc agaaagcaag gaaggagatt gctgactatc tggctgctgg 240
gaaagatgaa cgagctcgga tccgtgtgga gcacattatc cgggaagact acctcgtgga 300
ggccatggag atcctggagc tgtactgtga cctgctgctg gctcggtttg gccttatcca 360
gtctatgaag gaactagatt ctggtctggc tgaatctgtg tctacattga tctgggctgc 420
tcctcgactc cagtcagaag tggctgagtt gaaaatagtt gctgatcagc tctgtgccaa 480
gtatagcaag gaatatggca agctatgtag gaccaaccag attggaactg tgaatgacag 540
gctaatgcac aagctgagtg tggaagcccc acccaaaatc ctggtggaga gatacctgat 600
tgaaattgca aagaattaca acgtacccta tgaacctgac tctgtggtca tggcagaagc 660
tcctcctggg gtagagacag atcttattga tgttggattc acagatgatg tgaagaaagg 720
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tgccaaaggg accatcagat ttcaatggac tgccaatggg gacttatcag gcctttccca 900
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<210> 465
<211> 589
<212> DNA
<213> Homo sapiens

<400> 465
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acaaaaacag agggtgagac agaagtgaag aaagatgagg ccggagaaaa ctattccaag 180
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cccacgctaa ctttgaaggt gatacttacc tcacctctaa ttagggacga attggagaag 480
aaggatggag aaaatgtttc gatgaaagat cctccggact tattggayag gcagaaatgc 540
ctgaacgcct tggcgtctct tcgacatgcc aaatggtttc aggcaaggg 589

<210> 466
<211> 1107
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (1099)
<223> n equals a,t,g, or c

<400> 466
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ggacaccggc ggagcctccc cgcccccgcg gaagaaaccc cgccagcaac aatagcaaca 120
gcctgaatgt caataacggg gttcccggcg gggcggccgc cgcatcctca gccaccgtcg 180
cagctgcctc cgccaccacc gccgcctcct cttccttggc caccccagaa ctgggcagca 240
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gaagcattgt tatgaatttt ggttcctgtt aattcctcct aatgaatggc acttaaactt 1020
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ggaatacaca ccctgcttna aacttgc 1107

<210> 467
<211> 2197
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (846)
<223> n equals a,t,g, or c

<400> 467
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ccgccaatga aacgcctccc gctcctagtg gtttttttcca ctttgttgaa ttgttcctat 120
actcaaaatt gcaccaagac accttgtctc ccaaatgcaa aatgtgaaat acgcaatgga 180
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gataatgaat gtggaaattt aactcagtcc tgtggcgaaa atgctaattg cactaacaca 300
gaaggaagtt attattgtat gtgtgtacct ggcttcagat ccagcagtaa ccaagacagg 360
tttatcacta atgatggrac cgtctgtata gaaaatgtgr atgcaaactg ccatttagat 420
aatgtctgta tagctgcaaa tattaataaa actttaacaa aaatcagatc cataaaagaa 480
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aataattttg ttcaaaggga tacatttgta gtttgggaca agttatctgt gaatcatagg 720
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<210> 468
<211> 3611
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3574)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3581)
<223> n equals a,t,g, or c

<400> 468
ctggttctgt tgttactcct gccgactgca gtgctgttcc gtgagcttct tgaatgacat 60
cgtacagtat ctccgacgca cagggttcat agtggcgtca tgcacgcaga ctcctgcaag 120
ttcccctaag ttcttagagg actgctttgc cttttgatct gagagttgca aagttccata 180
aagaatggcc cttgtggata agcacaaagt caagagacag cgattggaca gaatttgtga 240
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tgatcatggt c 3611

<210> 469

<211> 520
<212> DNA
<213> Homo sapiens

<400> 469
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caacttcatt cccttacaca cttcagtgac atcagtgctt tgacaggggg aactgttcat 120
cttgatgagg tgaggttgag atatggttgt agtaggatgt gactttcatg ctttcagcaa 180
aatgtatgtg gggcttatta ccatgaggaa cttgggaagg gatgctggct ctcagaacca 240
cagtgccatt ccatcacttc tccatctgtc tccaggatca gaatcctatt aagaagcgga 300
agaagatacc tcagaaaggt cggaagaaaa aaggtcagtg aactgctggg acttaggtga 360
tcaggtgcaa ggtggggagt acaaattgag tctctttgga tttgccattc tgggtctcac 420
caagccctgt agtatctctt ccatactggg caataatctc cttaggtggg cttttatttt 480
ttgctttcct garctggaaa tcagcatcwt tyacaaattg 520

<210> 470
<211> 879
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<400> 470
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gtgccagtcc tggtgccagc accacgtcta ccccaggggc cagccctgcc ccccgctccc 120
gaaaacccgg cgccgtcatc gagagctttg tgaatcacgc cccgggggtc ttctcaggga 180
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tgccccttc gctggcccag ctccgctgcc acgcccagtg ctccccggcc tcaccggccc 360
ccgacctggc ccccagaact acctcctgcg agaagctcac ggctgccccc tcagcctccc 420
tgctgcaggg ccagagccag atccgcatgt gcaagccccc gggggaccgg cnttcggcag 480
acagaaaacc gcgccacgct gkcaaggtgg aacggctgca gctgcttctg cacgagaaac 540
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gcttgggact cgacttcgag gagctccgta tggaagccag aagtcaaccc tgacatcaag 720
tcaaagttcg tggtgggctt aggatctctc ggatcggcca aacttcggcc ctcgcaaccg 780
cagccccagg gcggcggcgg aattcgcaga accccggaaa agaaagttga ccagcccttg 840
caaggagagc gggcaattcc cgcagtcaag acaggttgc 879

<210> 471
<211> 2557
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 471
gctcgtgccg cgcgggtgga ggaatgccat catggaagga ctcctacctg ttcacggctt 60
gctccaccac caatgtctca gtctacctgt tcccttcatt ccatccactc tgagtggcaa 120
naaaggcccc tgtgtgagca cacaagaact ctgagcactc acagtgttcc caacatatca 180
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gaaaatactt ttcaggagct ccaggtaatg aggcgggctg naaatttgtt tagaacacaa 480
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gcctaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 2557

<210> 472
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<400> 472
agttgctttt caccacctcc ttttttttca cactgcctca ccttaaagga ttacctaagg 60
tggaggtaga gaagggtgcg ttgctgtctg cagtggacac tctctgctgc tgggacggct 120
gaagagggga ggaattggtg cagttgcctg tctcctactt ggagcagatg ctgtctgacc 180
ccagcacacc actcctcctc ccacagagac cggaacatca ggtctgtcct ctggagtttc 240
aggtagcacc acagcggcat cctcgcctam tggtctggtg gaaagggaag gggtggtcct 300
tgtgtttgga cccctcacag ctgactcaca ggaagtgcta agaagagctt ggcactgggc 360
acagcggctt caggattact gcgccaccca acctgccctt ttccacgtag gttttccagt 420
atccttgata gaccatgaag gcttccaagt ttgcnaagac tcccang 467

<210> 473
<211> 1840
<212> DNA
<213> Homo sapiens

<400> 473
ttttttttttt ttttgcatta acagtaaccc caagaaaggc atcagggttc tggagtggtt 60
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gcttgctgaa caggtatgga agctgtcttt gctgttaagt acttctcccg tttgtttatc 180
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tcttgtcttc caggggaact tcaacatgga gttacttttg atcgctcagt tttaattcag 300
tgtctaaagg tttacaagtt caacttactc tattttattc agctctttca cttactctgc 360
catcacttcc tacttgaatc tgagttttag ctactgtaga ggtctcagac ctttcctttt 420
tagtactatt agccaggtaa aactttggtt cttgtgagtg gtagggatga gtttttagga 480
cagtattcaa agccttttta aaggaaccaa ctactcaaat gctctacaat gccaaaaata 540
caatactcct gcaggttttc ccaagcaagg ccaaaacaat caaaatctga cagaaaaaca 600
cagctgttca gctctggaat ctgatgatag gctacttttt aatgtcagga catccttcta 660
aacttccact tacagtgtca catgtaagca tgaaggctgg ctcgttggtg agccattgct 720
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gattttattc acgctaaagg aatgggtatt aaaattaagt gcatataata tagaattcag 840
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<210> 474
<211> 1258
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (726)
<223> n equals a,t,g, or c

<400> 474
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cagaggtggc agcaatggcc cggctactag gggacctaga cakgagcacg ttcagaaagt 480
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cccacgacag ccctgccctt cccatgaggc aggctcttca gtgagtgttt gaacgtaatt 1140
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gcagctaaaa acawraaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1258

<210> 475
<211> 4231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4223)
<223> n equals a,t,g, or c

<400> 475
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cagaacatgt taatggaaat ggtactgaag agcccatgga tactacttct gcagttatcc 120
attcagaaaa ttttcagaca ttgcttgatg ctggtttacc acagaaagtt gctgaaaaac 180
tagatgaaat ttacgttgca gggctagttg cacatagtga tttagatgaa agagctattg 240
aagctttaaa agaattcaat gaagacggtg cattggcagt tcttcaacag tttaaagaca 300
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ggcagagaga aaaacaaggg accaaagtag cagattctag taaaggacca gatgaggcaa 420
aaattaaggc actcttggaa agaacaggct acacacttga tgtgaccact ggacagagga 480
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ataataatca tgaaattcgt tctggaaaac atattggtgt ctgcatctca gttgccaaca 780
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<210> 476
<211> 691
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (689)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (691)
<223> n equals a,t,g, or c

<400> 476
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cctcaggcat atcccagtga ggtagagaaa tcttgggaca tagaagttcc tgaagggtat 480
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tcagtgcaga taatctcagg agacactgaa gaagggaggc tctgtkgaca raggagcagt 600
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<210> 477
<211> 1418
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (1127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1400)
<223> n equals a,t,g, or c

<400> 477
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ggcaaacagg cagaggcggg cgggccctgg cancccagtg gcctgactgc tgccccacag 120
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